

August 29, 2019

Shawn Nevill  
Principal Planner  
Orange County Water District  
18700 Ward Street  
Fountain Valley, California 92708

**Subject:** Proposal to complete a Cultural and Paleontological Resources Records Search and Technical Memorandum for the SA-5 Groundwater Monitoring Well Decommissioning in the City of Huntington Beach and the Proposed Construction of the OCWD-M58 Monitoring Well in the City of Fountain Valley, California.

Dear Mr. Nevill:

This Memorandum summarizes Archaeological and Paleontological records searches for the SA-5 Groundwater Monitoring Well Decommissioning in the City of Huntington Beach and the Proposed Construction of the OCWD-M58 Monitoring Well in the City of Fountain Valley. The proposed Project would result in the permanent decommissioning of the existing SA-5 monitoring well and the construction of a new replacement monitoring well that would be designated as OCWD-M58. Demolition of SA-5 will not impact cultural resources as no native sediments will be excavated during its removal. Construction of OCWD-M58, however, could potentially impact cultural resources.

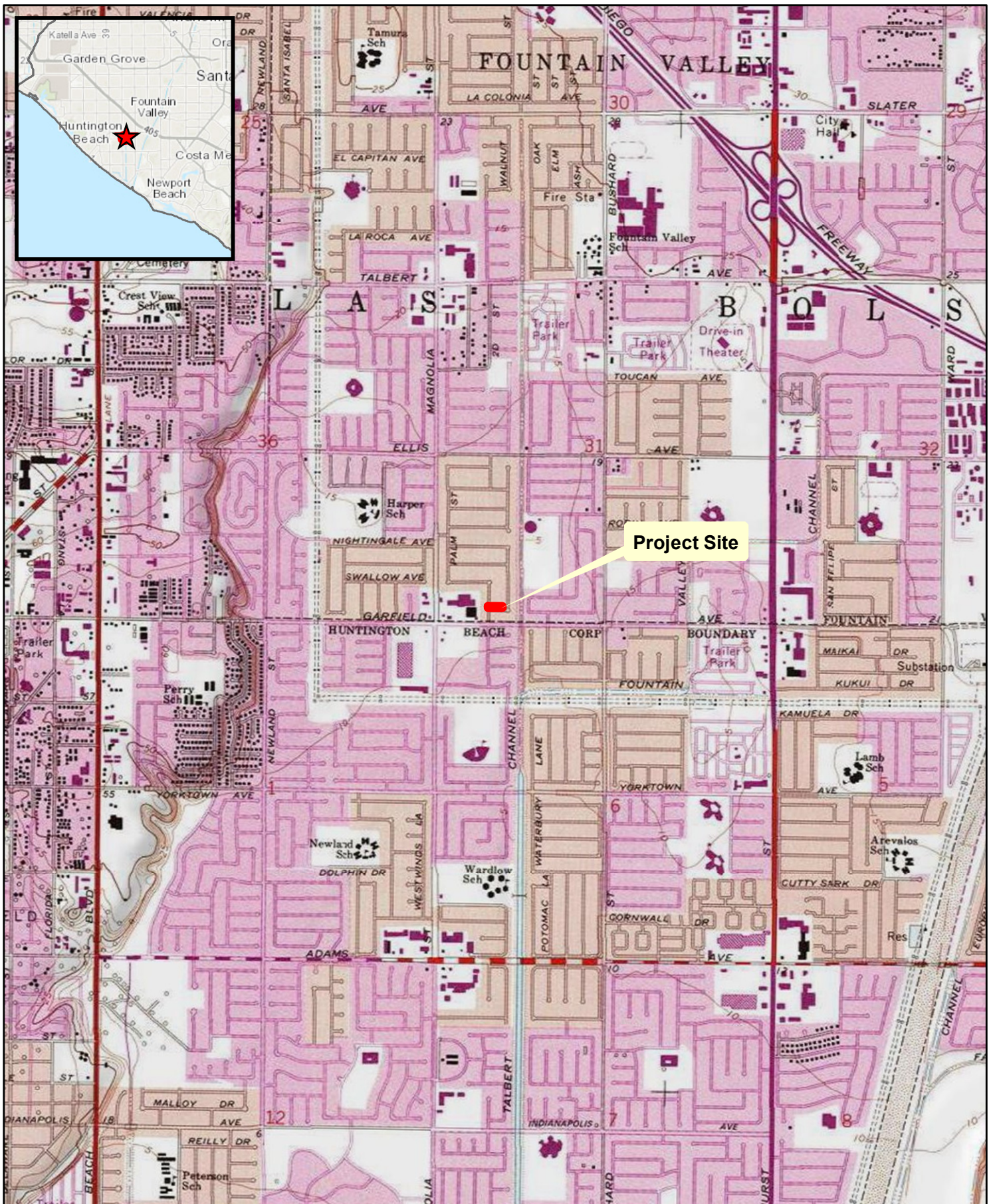
Because there will be no impact to cultural resources at the SA-5 site, it was not included in the cultural resources project area and the records search did not include this location. The proposed Project site for OCWD-M58 is located within the Oriole Avenue right-of-way in the City of Fountain Valley. The construction of OCWD-M58 would occur within the northern portion of Oriole Avenue, just east of its intersection with Acacia Street, adjacent to residences located to the north and south of the roadway. The Project site is located on USGS 7.5' Newport Beach Quadrangle Map, Township 5 South, Range 10 West, Section 31. Refer to Exhibit 1 below.

### **Cultural Resources Records Searches**

#### *Studies*

The South Central Coastal Information Center (SCCIC) completed a California Historic Resources Information System (CHRIS) record search (Attachment A) which concluded that there have been 14 cultural resources studies completed within one-half mile of the Project site. Three are at least partially within the Project site. Native American tribes may possess additional cultural resources information.



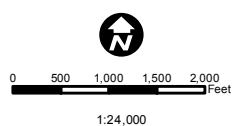


Prepared By:



VCS Environmental

Map Created: August 2019



Section S31  
Township T5S R10W  
Meridian San Bernardino  
State California  
County Orange  
7.5-minute Quadrangle:  
Newport Beach (digital)

OCWD-M58

Exhibit 1: Project Site USGS Basemap



**Table 1: Cultural Resources Studies Within One-Half Mile of the Project Site**

Report Number	Author/Year	Type of Study
OR-00001	Ahlering/1973	Survey. 26 resources
OR-01087	Dillon/1990	Records search. 10 resources
*OR-01836	Padon/1998	Records search. 0 resources
*OR-02033	Mason/1987	Research design. 30 resources
OR-02256	Demcak/1999	Survey. 14 resources
OR-03072	Bonner/2005	Survey, cell tower. 0 resources
OR-03446	Bonner & Crawford/2006	Survey, cell tower. 0 resources
OR-03624	Sikes & O'Neil/2004	Monitoring. 3 resources
OR-03661	Bonner/2007	Survey, cell tower. 0 resources
OR-03802	Bonner & Williams/2009	Survey, cell tower. 0 resources
OR-03809	Bonner & Said/2009	Survey, cell tower. 0 resources
*OR-04087	Salenius/1998	Program EIR. 0 resources
OR-04114	Wlodarski/2010	Survey, cell tower. 1 resource
OR-04313	Unknown/2103	HB Cultural element. 0 resources
*Located on the project site		

*OR-01836:* This project by Beth Padon at Discovery Works, Inc. is a cultural resources review for the Groundwater Replenishment System Program EIR/EIS for the Orange County Water District and Orange County Sanitation District. It included a literature review. No resources were noted in the study.

*OR-02033:* This study by Roger Mason of SRS is a research design for the evaluation of coastal archaeological sites in northern Orange County. Thirty sites were identified, including the important Bolsa Chica Gun Club Site (CA-ORA-78/H), the Cogged Stone Site (CAS-ORA-83/H), and the Newland-Strandt site (CA-ORA-183) among others.

*OR-04087:* This document by Sylvia Salenius is a Program EIR/Tier 1 EIS for the Groundwater Replenishment System Program for the Orange County Water District and Orange County Sanitation District.

The records search also concluded that one cultural resource is recorded within a 1/2-mile radius of the Project site. Zero resources have been recorded within the Project Site.

**Table 2: Cultural Resources Within One-Half Mile of the Project Site**

Site Number	Recorder/Year (most recent)	Description
P-30-177114	Johnson/2010	SCE Bushard Lattice Tower

This resource — a steel electric transmission line tower approximately 2,000 feet southeast of the Project site — was recorded by Brent Johnson in 2010 as part of a cultural resources survey for a cellular tower (OR-04114 depicted in Table 1 above). The resource is well outside the Project site and will not be affected by the project. Refer to Attachment A for all literature review documentation.

### **Internet Research**

Internet research on the project, and an examination of historical aerial photographs at HistoricAerials.com (NETRONLINE n.d.), revealed that the entire Project site was developed as it is presently in 1972. The next available photograph prior to 1972 was taken in 1963. At that time nothing was yet built at the site, but it appears that the streets and neighborhood had been graded in anticipation of construction. It was farmland up to at least 1953.

### **Paleontological Records Search**

The Natural History Museum of Los Angeles County (NHMLAC) completed a Vertebrate Paleontology Records Check on August 16, 2019 (Attachment B) that determined no paleontological resources are recorded on the Project Site, although fossils have been found and recorded in the vicinity from the same sedimentary deposits that occur subsurface on the Project site.

*The entire proposed project has surface deposits of younger Quaternary Alluvium, derived as overbank deposits from the Santa Ana River that currently flows immediately to the east of the proposed project area. We have no fossil vertebrate localities anywhere nearby from these younger Quaternary deposits and they are unlikely to contain significant vertebrate fossils, at least in the uppermost layers. Small hills and bluffs both east and west of the proposed project area, however, define the Santa Ana River floodplain drainage and are mapped as having exposures of marine Quaternary Terrace deposits. These or other older Quaternary deposits probably occur in the proposed project area at unknown depth. Our closest vertebrate fossil localities from these deposits are LACM 7657-7659, just northwest of the proposed project area along Ellis Avenue east of Beach Boulevard that from well core samples at depths between 130 and 400 feet below the surface produced a suite of marine vertebrates from the marine late Pleistocene San Pedro Formation including eagle ray, Myliobatis, skate, Raja, soupfin shark, Galeorhinus galeus, Pacific angel shark, Squatina californica,*



*plainfin midshipman, Porichthys notatus, cusk eel, Otophidium, bay goby, Lepidogobius lepidus, queenfish, Seriphus politus, Pacific sanddab, Citharichthys sordidus, speckled sanddab, Citharichthys stigmaeus, and sculpin, Leptocottus. Southeast of the proposed project area, east of the Santa Ana River near the top of the mesa bluffs along Adams Avenue, our older Quaternary locality LACM 1339 produced fossil specimens of mammoth, Mammuthus, and camel, Camelidae, from sands approximately 15 feet below the top of the mesa that is overlain by shell bearing silts and sands. (McLeod 2019).*

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

## Recommendations

- Given the minimal impacts to native sediments anticipated for the project, VCS recommends archaeological and Native American monitoring only be considered if tribes request monitoring during the AB 52 consultation processes. An archaeologist must be retained in the event of a cultural resources discovery during ground disturbing activities to identify and evaluate the find.
- The NHMLAC recommends that paleontological monitoring be conducted in older Quaternary alluvial sediments. Therefore, VCS recommends that paleontological monitoring be conducted if project excavations impact older Quaternary Alluvium. In the event of a fossil discovery, a qualified paleontologist must identify and evaluate the find.

Please contact Patrick Maxon at [pmaxon@vcsenvironmental.com](mailto:pmaxon@vcsenvironmental.com) or 949.489.2700 extension 214 should you have any questions or comments.

Sincerely,



Patrick Maxon, RPA  
Director, Cultural Services

## Enclosures (2)

- Attachment A: South Central Coastal Information Center California Historic Resources Records Search
- Attachment B: Natural History Museum of Los Angeles County Vertebrate Paleontology Records Search

## References

- McLeod, Sam  
2019      Vertebrate Paleontology Records Check for paleontological resources for the proposed OCWD Well OCWD-58 Project, in the City of Fountain Valley, Orange County, project area.
- NETRONLINE  
No date      Aerial Photograph Review: <https://www.historicaerials.com/>



**ATTACHMENT A**

**South Central Coastal Information Center  
California Historic Resources 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*

8/27/2019

Records Search File No.: 20556.6513

Patrick Maxon  
VCS Environmental  
30900 Rancho Viejo Rd, Suite 100  
San Juan Capistrano, CA 92675

Re: Records Search Results for the SA-5 Monitoring Well Decommissioning and Construction of OCWD-58 Well Project

The South Central Coastal Information Center received your records search request for the project area referenced above, located on the Newport Beach, CA USGS 7.5' quadrangle. The following reflects the results of the records search for the project area and a ½-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 ½-mile radius: 1	30-177114
Reports within project area: 3	OR-01836, OR-02033, OR-04087
Reports within ½-mile radius: 11	SEE ATTACHED MAP or LIST

<b><u>Resource Database Printout (list):</u></b>	<input type="checkbox"/> enclosed	<input checked="" type="checkbox"/> not requested	<input type="checkbox"/> nothing listed
<b><u>Resource Database Printout (details):</u></b>	<input checked="" type="checkbox"/> enclosed	<input type="checkbox"/> not requested	<input type="checkbox"/> nothing listed
<b><u>Resource Digital Database (spreadsheet):</u></b>	<input type="checkbox"/> enclosed	<input checked="" type="checkbox"/> not requested	<input type="checkbox"/> nothing listed
<b><u>Report Database Printout (list):</u></b>	<input type="checkbox"/> enclosed	<input checked="" type="checkbox"/> not requested	<input type="checkbox"/> nothing listed
<b><u>Report Database Printout (details):</u></b>	<input checked="" type="checkbox"/> enclosed	<input type="checkbox"/> not requested	<input type="checkbox"/> nothing listed
<b><u>Report Digital Database (spreadsheet):</u></b>	<input type="checkbox"/> enclosed	<input checked="" type="checkbox"/> not requested	<input type="checkbox"/> nothing listed
<b><u>Resource Record Copies:</u></b>	<input type="checkbox"/> enclosed	<input type="checkbox"/> not requested	<input checked="" type="checkbox"/> nothing listed
<b><u>Report Copies:</u></b>	<input type="checkbox"/> enclosed	<input checked="" type="checkbox"/> not requested	<input type="checkbox"/> nothing listed
<b><u>OHP Historic Properties Directory 2012:</u></b>	<input type="checkbox"/> enclosed	<input type="checkbox"/> not requested	<input checked="" type="checkbox"/> nothing listed
<b><u>Archaeo Determinations of Eligibility 2012:</u></b>	<input type="checkbox"/> enclosed	<input type="checkbox"/> not requested	<input checked="" type="checkbox"/> nothing listed
<b><u>Historical Maps:</u></b>	<input checked="" type="checkbox"/> enclosed	<input type="checkbox"/> not requested	<input type="checkbox"/> nothing listed
<b><u>Ethnographic Information:</u></b>	<input checked="" type="checkbox"/> not available at SCCIC		
<b><u>Historical Literature:</u></b>	<input checked="" type="checkbox"/> not available at SCCIC		
<b><u>GLO and/or Rancho Plat Maps:</u></b>	<input checked="" type="checkbox"/> not available at SCCIC		



**Caltrans Bridge Survey:**

☒ not available at SCCIC; please go to

<http://www.dot.ca.gov/hq/structur/strmaint/historic.htm>

**Shipwreck Inventory:**

☒ not available at SCCIC; please go to

[http://shipwrecks.slc.ca.gov/ShipwrecksDatabase/Shipwrecks\\_Database.asp](http://shipwrecks.slc.ca.gov/ShipwrecksDatabase/Shipwrecks_Database.asp)

**Soil Survey Maps: (see below)**

☒ not available at SCCIC; please go to

<http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>

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

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

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

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

Thank you for using the **C**alifornia **H**istorical **R**esources **I**nformation **S**ystem,

Michelle Galaz  
Assistant Coordinator  
Enclosures:

(X) Custom Maps – 2 pages

(X) Resource Database Printout (details) – 1 page

(X) Report Database Printout (details) – 16 pages

(X) Historical Maps – 4 pages

## Report Detail: OR-00001

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### Identifiers

*Report No.:* OR-00001

*Other IDs:*

*Cross-refs:*

### Citation information

*Author(s):* Ahlering, Michael L.

*Year:* 1973

*Title:* Report of a Scientific Resources Survey and Inventory: Conducted for the City of Huntington Beach, California

*Affiliation:* Archaeological Research, Inc.

*No. pages:* 73

*No. maps:*

*Attributes:* Archaeological, Other research

*Inventory size:* QC

*Disclosure:*

*Collections:*

### General notes

Mapped to City of Huntington Beach

### Associated resources

<i>Primary No.</i>	<i>Trinomial</i>	<i>Name</i>
P-30-000078	CA-ORA-000078/H	Bolsa Chica Gun Club Site
P-30-000082	CA-ORA-000082	STRANDT'S 105
P-30-000084	CA-ORA-000084/H	HERRING'S SITE "B"
P-30-000085	CA-ORA-000085/H	STRANDT 6, HERRING SITE D
P-30-000086	CA-ORA-000086	VOID
P-30-000087	CA-ORA-000087	"F"
P-30-000088	CA-ORA-000088/H	STRANDT #11 OR #12
P-30-000142	CA-ORA-000142	STRANDTS #105
P-30-000145	CA-ORA-000145/H	DOBKINS; Lambert Park Site
P-30-000149	CA-ORA-000149	Huntington Street Site
P-30-000183	CA-ORA-000183	NEWLAND-STRANDT #13
P-30-000185	CA-ORA-000185	GOTHARD ST. SITE
P-30-000276	CA-ORA-000276	
P-30-000288	CA-ORA-000288	
P-30-000289	CA-ORA-000289	VOIDED
P-30-000290	CA-ORA-000290	
P-30-000291	CA-ORA-000291	
P-30-000292	CA-ORA-000292	
P-30-000293	CA-ORA-000293	
P-30-000302	CA-ORA-000302/H	HH SITE / HARPER SITE
P-30-000346	CA-ORA-000346	
P-30-000356	CA-ORA-000356	
P-30-000358	CA-ORA-000358	
P-30-000359	CA-ORA-000359	
P-30-000363	CA-ORA-000363	
P-30-000365	CA-ORA-000365/H	

*No. resources:* 26

*Has informals:*

### Location information

*County(ies):* Orange

*USGS quad(s):* NEWPORT BEACH, SEAL BEACH

*Address:*

*PLSS:*



## Report Detail: OR-00001

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### Database record metadata

	<i>Date</i>	<i>User</i>	
<i>Entered:</i>	5/5/2008	jay	
<i>Last modified:</i>	2/12/2015	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.
	3/24/2010	mgalez	Added page count.
	2/12/2015	agarcia	GIS QC

*Record status:*

## Report Detail: OR-01087

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### Identifiers

*Report No.:* OR-01087

*Other IDs:*

*Cross-refs:*

### Citation information

*Author(s):* Dillon, Brian D.

*Year:* 1990

*Title:* Archaeological Record Search for the Green Acres Phase II Project, Orange County Water District, Cities of Huntington Beach and Newport Beach, Orange County, California

*Affiliation:*

*No. pages:* 60

*No. maps:*

*Attributes:* Literature search

*Inventory size:* QC

*Disclosure:*

*Collections:*

### General notes

### Associated resources

<i>Primary No.</i>	<i>Trinomial</i>	<i>Name</i>
P-30-000054	CA-ORA-000054	UNB-12
P-30-000055	CA-ORA-000055	UNB-13
P-30-000056	CA-ORA-000056	UNB-14
P-30-000083	CA-ORA-000083/H	The Cogged Stone Site
P-30-000086	CA-ORA-000086	VOID
P-30-000097	CA-ORA-000097	
P-30-000100	CA-ORA-000100	
P-30-000351	CA-ORA-000351	
P-30-000368	CA-ORA-000368	
P-30-001240	CA-ORA-001240	ETC-90-S4

*No. resources:* 10

*Has informals:*

### Location information

*County(ies):* Orange

*USGS quad(s):* NEWPORT BEACH, SEAL BEACH, TUSTIN

*Address:*

*PLSS:*

### Database record metadata

<i>Date</i>	<i>User</i>
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<i>Entered:</i> 5/5/2008	jay
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<i>Last modified:</i> 2/19/2015	agarcia
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<i>IC actions:</i>	<i>Date</i>	<i>User</i>	<i>Action taken</i>
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	5/6/2008	jay	Appended records from old Surveys database.
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	2/19/2015	agarcia	GIS QC
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*Record status:*



## Report Detail: OR-01836

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### Identifiers

*Report No.:* OR-01836

*Other IDs:*

*Cross-refs:*

### Citation information

*Author(s):* Padon, Beth

*Year:* 1998

*Title:* Cultural Resource Review for Groundwater Replenishment System Program EIR/Tier I/EIS, Orange County Water District and County Sanitation Districts of Orange County

*Affiliation:* Discovery Works, Inc.

*No. pages:* 30

*No. maps:*

*Attributes:* Literature search

*Inventory size:* QC

*Disclosure:*

*Collections:*

### General notes

### Associated resources

*No. resources:* 0

*Has informals:*

### Location information

*County(ies):* Orange

*USGS quad(s):* ANAHEIM, NEWPORT BEACH, ORANGE

*Address:*

*PLSS:*

### Database record metadata

	<i>Date</i>	<i>User</i>	
<i>Entered:</i>	5/5/2008	jay	
<i>Last modified:</i>	1/22/2015	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.
	1/22/2015	agarcia	GIS QC

*Record status:*

## Report Detail: OR-02033

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### Identifiers

Report No.: OR-02033

Other IDs:

Cross-refs:

### Citation information

Author(s): Mason, Roger D.

Year: 1987

Title: Research Design for Evaluation of Coastal Archaeological Sites in Northern Orange County, California

Affiliation: Scientific Resource Surveys, Inc.

No. pages: 89

No. maps:

Attributes: Other research

Inventory size: QC

Disclosure:

Collections:

### General notes

### Associated resources

Primary No.	Trinomial	Name
P-30-000078	CA-ORA-000078/H	Bolsa Chica Gun Club Site
P-30-000082	CA-ORA-000082	STRANDT'S 105
P-30-000083	CA-ORA-000083/H	The Cogged Stone Site
P-30-000084	CA-ORA-000084/H	HERRING'S SITE "B"
P-30-000085	CA-ORA-000085/H	STRANDT 6, HERRING SITE D
P-30-000086	CA-ORA-000086	VOID
P-30-000088	CA-ORA-000088/H	STRANDT #11 OR #12
P-30-000143	CA-ORA-000143	Landing Hill
P-30-000145	CA-ORA-000145/H	DOBKINS; Lambert Park Site
P-30-000183	CA-ORA-000183	NEWLAND-STRANDT #13
P-30-000256	CA-ORA-000256	Landing Hill #1
P-30-000257	CA-ORA-000257	LANDING HILL #2
P-30-000258	CA-ORA-000258	LANDING HILL #3
P-30-000259	CA-ORA-000259	LANDING HILL #4
P-30-000260	CA-ORA-000260	LANDING HILL #5; LANDING HI
P-30-000261	CA-ORA-000261	LANDING HILL #6
P-30-000262	CA-ORA-000262	LANDING HILL #7
P-30-000263	CA-ORA-000263	LANDING HILL #8
P-30-000264	CA-ORA-000264	LANDING HILL #9
P-30-000288	CA-ORA-000288	
P-30-000290	CA-ORA-000290	
P-30-000291	CA-ORA-000291	
P-30-000292	CA-ORA-000292	
P-30-000294	CA-ORA-000294	VOIDED
P-30-000302	CA-ORA-000302/H	HH SITE / HARPER SITE
P-30-000322	CA-ORA-000322/H	Installation Restoration (IR) Site
P-30-000365	CA-ORA-000365/H	
P-30-000366	CA-ORA-000366	
P-30-000368	CA-ORA-000368	
P-30-000555	CA-ORA-000555	

No. resources: 30

Has informals:

### Location information

County(ies): Orange

USGS quad(s): LOS ALAMITOS, NEWPORT BEACH, SEAL BEACH

Address:

## Report Detail: OR-02033

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PLSS:

### Database record metadata

	<i>Date</i>	<i>User</i>	
<i>Entered:</i>	5/5/2008	jay	
<i>Last modified:</i>	2/23/2015	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.
	7/29/2009	tshackford	Correcting page count
	2/23/2015	agarcia	GIS QC

*Record status:*



## Report Detail: OR-02256

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### Identifiers

Report No.: OR-02256

Other IDs:

Cross-refs:

### Citation information

Author(s): Demcak, Carol R.

Year: 1999

Title: Cultural Resources Assessments for Orange County Sanitation Districts

Affiliation: Archaeological Resource Management Corp.

No. pages: 90

No. maps:

Attributes: Archaeological, Field study

Inventory size: QC

Disclosure:

Collections:

### General notes

### Associated resources

Primary No.	Trinomial	Name
P-30-000083	CA-ORA-000083/H	The Cogged Stone Site
P-30-000084	CA-ORA-000084/H	HERRING'S SITE "B"
P-30-000085	CA-ORA-000085/H	STRANDT 6, HERRING SITE D
P-30-000086	CA-ORA-000086	VOID
P-30-000087	CA-ORA-000087	"F"
P-30-000144	CA-ORA-000144/H	VOIDED
P-30-000277	CA-ORA-000277	
P-30-000288	CA-ORA-000288	
P-30-000289	CA-ORA-000289	VOIDED
P-30-000300	CA-ORA-000300/H	
P-30-000352	CA-ORA-000352	
P-30-000353	CA-ORA-000353	Nisson Walnut Grove
P-30-000381	CA-ORA-000381	
P-30-001352	CA-ORA-001352	BIXBY RANCH SITE

No. resources: 14

Has informals:

### Location information

County(ies): Orange

USGS quad(s): ANAHEIM, LA HABRA, LOS ALAMITOS, NEWPORT BEACH, ORANGE, SEAL BEACH, TUSTIN, YORBA LINDA

Address:

PLSS:

### Database record metadata

Date	User	
Entered: 5/5/2008	jay	
Last modified: 1/23/2015	agarcia	
IC actions: Date	User	Action taken
5/6/2008	jay	Appended records from old Surveys database.
1/23/2015	agarcia	GIS QC

Record status:

## Report Detail: OR-03072

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### Identifiers

*Report No.:* OR-03072

*Other IDs:*

Type	Name
Cellular	

*Cross-refs:*

### Citation information

*Author(s):* Bonner, Wayne H.

*Year:* 2005

*Title:* Cultural Resources Records Search Results and Site Visit for T-mobile Candidate La02852a (magnolia Center), 19171 Magnolia Street, Huntington Beach, Orange County, California

*Affiliation:* Michael Brandman Assocaites

*No. pages:* 12

*No. maps:*

*Attributes:* Archaeological, Field study

*Inventory size:* QC

*Disclosure:*

*Collections:*

### General notes

### Associated resources

*No. resources:* 0

*Has informals:*

### Location information

*County(ies):* Orange

*USGS quad(s):* NEWPORT BEACH

*Address:*

*PLSS:*

### Database record metadata

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

<i>Entered:</i> 5/5/2008	jay
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<i>Last modified:</i> 2/24/2015	agarcia
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IC actions:	Date	User	Action taken
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	5/6/2008	jay	Appended records from old Surveys database.
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	2/24/2015	agarcia	GIS QC
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*Record status:*

## Report Detail: OR-03446

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### Identifiers

*Report No.:* OR-03446

*Other IDs:*

Type	Name
Cellular	

*Cross-refs:*

### Citation information

*Author(s):* Bonner, Wayne H. and Kathleen A. Crawford

*Year:* 2006

*Title:* Cultural Resource Records Search and Site Visit Results for Ryal Street Communications, Llc Candidate La2731b (see Lagenbeck Park), Del Amo-ellis Line, Hickory Lane, Huntington Beach, Orange County, California

*Affiliation:* Michael Brandman Associates

*No. pages:* 15

*No. maps:*

*Attributes:* Archaeological, Field study

*Inventory size:* QC

*Disclosure:*

*Collections:*

### General notes

### Associated resources

*No. resources:* 0

*Has informals:*

### Location information

*County(ies):* Orange

*USGS quad(s):* NEWPORT BEACH

*Address:*

*PLSS:*

### Database record metadata

Date	User
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<i>Entered:</i> 5/5/2008	jay
--------------------------	-----

<i>Last modified:</i> 2/24/2015	agarcia
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IC actions:	Date	User	Action taken
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	5/6/2008	jay	Appended records from old Surveys database.
--	----------	-----	---

	2/24/2015	agarcia	GIS QC
--	-----------	---------	--------

*Record status:*

## Report Detail: OR-03624

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### Identifiers

*Report No.:* OR-03624

*Other IDs:*

*Cross-refs:*

### Citation information

*Author(s):* Sikes, Nancy E. and Stephen O'Neil

*Year:* 2004

*Title:* Cultural Resources Monitoring for the Talbert Barrier West End Improvement Project, City of Fountain Valley, Orange County, California

*Affiliation:* SWCA Environmental Consultants, Inc.

*No. pages:* 20

*No. maps:*

*Attributes:* Monitoring

*Inventory size:* QC

*Disclosure:*

*Collections:*

### General notes

### Associated resources

<i>Primary No.</i>	<i>Trinomial</i>	<i>Name</i>
P-30-000145	CA-ORA-000145/H	DOBKINS; Lambert Park Site
P-30-000302	CA-ORA-000302/H	HH SITE / HARPER SITE
P-30-000356	CA-ORA-000356	

*No. resources:* 3

*Has informals:*

### Location information

*County(ies):* Orange

*USGS quad(s):* NEWPORT BEACH

*Address:*

*PLSS:*

### Database record metadata

<i>Date</i>	<i>User</i>
-------------	-------------

<i>Entered:</i> 5/5/2008	jay
--------------------------	-----

<i>Last modified:</i> 2/25/2015	agarcia
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<i>IC actions:</i>	<i>Date</i>	<i>User</i>	<i>Action taken</i>
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	5/6/2008	jay	Appended records from old Surveys database.
--	----------	-----	---

	2/25/2015	agarcia	GIS QC
--	-----------	---------	--------

*Record status:*

## Report Detail: OR-03661

---

### Identifiers

*Report No.:* OR-03661

*Other IDs:*

Type	Name
Cellular	

*Cross-refs:*

### Citation information

*Author(s):* Bonner, Wayne H.

*Year:* 2007

*Title:* Cultural Resources Records Search and Site Visit Results for AT&T Candidate LSANCA3104 (Magnolia Center), 19171 Magnolia Street, Huntington Beach, Orange County, California

*Affiliation:* Michael Brandman Associates

*No. pages:* 10

*No. maps:*

*Attributes:* Archaeological, Field study

*Inventory size:* QC

*Disclosure:*

*Collections:*

### General notes

### Associated resources

*No. resources:* 0

*Has informals:*

### Location information

*County(ies):* Orange

*USGS quad(s):* NEWPORT BEACH

*Address:*

*PLSS:*

### Database record metadata

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

*Entered:* 9/3/2008

*Last modified:* 2/25/2015 agarcia

IC actions:	Date	User	Action taken
	9/3/2008	jay	Appended records from Biblio database (second round of additions)
	2/25/2015	agarcia	GIS QC

*Record status:*



## Report Detail: OR-03802

---

### Identifiers

Report No.: OR-03802

Other IDs:	Type	Name
	Cellular	

Cross-refs:

### Citation information

Author(s): Bonner, Wayne and Williams, Sarah

Year: 2009

Title: Cultural Resources Records Search and Site Visit Results for T-Mobile USA Candidate LA33509A (Bushard Properties), 19001 Bushard Street, Huntington Beach, Orange County, California

Affiliation: MBA

No. pages: 11

No. maps:

Attributes: Archaeological, Field study, Other research

Inventory size: QC

Disclosure: Not for publication

Collections: No

### General notes

### Associated resources

No. resources: 0

Has informals:

### Location information

County(ies): Orange

USGS quad(s): NEWPORT BEACH

Address:	Address	City	Assessor's parcel no.	Zip code
	19001 Bushard Street	Huntington Beach		

PLSS:

### Database record metadata

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

Entered: 3/16/2010 sstjames

Last modified: 2/25/2015 agarcia

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

	3/16/2010	sstjames	D Grijalva
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	2/25/2015	agarcia	GIS QC
--	-----------	---------	--------

Record status:

## Report Detail: OR-03809

---

### Identifiers

*Report No.:* OR-03809

*Other IDs:*

*Cross-refs:*

### Citation information

*Author(s):* Bonner, Wayne and Said, Arabesque

*Year:* 2009

*Title:* Cultural Resource Records Search and Site Visit Results for T-Mobile USA Candidate LA33509B (Demesne Properties), 19062 Bushard Street, Huntington Beach, Orange County, California

*Affiliation:* MBA

*No. pages:* 12

*No. maps:*

*Attributes:* Archaeological, Field study, Other research

*Inventory size:* QC

*Disclosure:* Not for publication

*Collections:* No

### General notes

### Associated resources

*No. resources:* 0

*Has informals:*

### Location information

*County(ies):* Orange

*USGS quad(s):* NEWPORT BEACH

*Address:* Address

19062 Bushard Street

*City*

Huntington Beach

*Assessor's parcel no.*

*Zip code*

*PLSS:*

### Database record metadata

*Date*      *User*

*Entered:* 3/23/2010    agarcia

*Last modified:* 2/25/2015    agarcia

*IC actions:*    *Date*      *User*      *Action taken*

3/23/2010    agarcia      D Grijalva

2/25/2015    agarcia      GIS QC

*Record status:*

## Report Detail: OR-04087

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### Identifiers

*Report No.:* OR-04087

*Other IDs:*

*Cross-refs:*

### Citation information

*Author(s):* Salenius, Sylvia

*Year:* 1998

*Title:* Program EIR/Tier 1 EIS, Groundwater Replenishment System

*Affiliation:* Orange County Water District & Orange County Sanitation District

*No. pages:* 672

*No. maps:*

*Attributes:* Management/planning

*Inventory size:* QC

*Disclosure:*

*Collections:*

### General notes

### Associated resources

*No. resources:* 0

*Has informals:*

### Location information

*County(ies):* Orange

*USGS quad(s):* ANAHEIM, NEWPORT BEACH, ORANGE

*Address:*

*PLSS:*

### Database record metadata

*Date*      *User*

*Entered:* 10/13/201   Inoyes

*Last modified:* 1/27/2015   agarcia

*IC actions:*   *Date*      *User*      *Action taken*

1/27/2015   agarcia      GIS QC

*Record status:*

## Report Detail: OR-04114

---

### Identifiers

Report No.: OR-04114

Other IDs: 

Type	Name
------	------

Cellular

Cross-refs:

### Citation information

Author(s): Wlodarski, Robert J.

Year: 2010

Title: Cultural Resources Record Search and Archaeological Survey Results for the proposed Clear Wireless, LLC, Site CA-ORC4022A (SCE Bushard Lattice Tower M5/T1 Barre/Ellis) located at 19171 Bushard Street, Huntington Beach, Orange County, California, 92646

Affiliation: Historical, Environmental, Archaeological, Research, Team

No. pages: 61

No. maps:

Attributes: Archaeological, Field study

Inventory size: QC

Disclosure: Not for publication

Collections: No

### General notes

### Associated resources

Primary No. Trinomial

P-30-177114

Name

SCE Bushard Lattice Tower

No. resources: 1

Has informals:

### Location information

County(ies): Orange

USGS quad(s): NEWPORT BEACH

Address: Address

19171 Bushard Street

City

Huntington Beach

Assessor's parcel no.

Zip code

PLSS:

### Database record metadata

Date User

Entered: 11/18/201 agarcia

Last modified: 2/25/2015 agarcia

IC actions: Date User Action taken

2/25/2015 agarcia GIS QC

Record status:

## Report Detail: OR-04313

---

### Identifiers

*Report No.:* OR-04313

*Other IDs:* *Type*

*Name*

City of Huntington Beach

*Cross-refs:*

### Citation information

*Author(s):* Unknown

*Year:* 2013 (Nov)

*Title:* Historic and Cultural Resources Element - Huntington Beach

*Affiliation:* City of Huntington Beach

*No. pages:* 17

*No. maps:* 1

*Attributes:* Architectural/Historical

*Inventory size:* QC

*Disclosure:* Not for publication

*Collections:* No

### General notes

### Associated resources

*No. resources:* 0

*Has informals:*

### Location information

*County(ies):* Orange

*USGS quad(s):* LOS ALAMITOS, NEWPORT BEACH, SEAL BEACH

*Address:*

*PLSS:*

### Database record metadata

*Date* *User*

*Entered:* 5/22/2014 agarcia

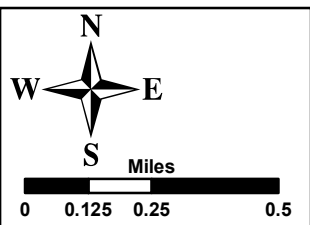
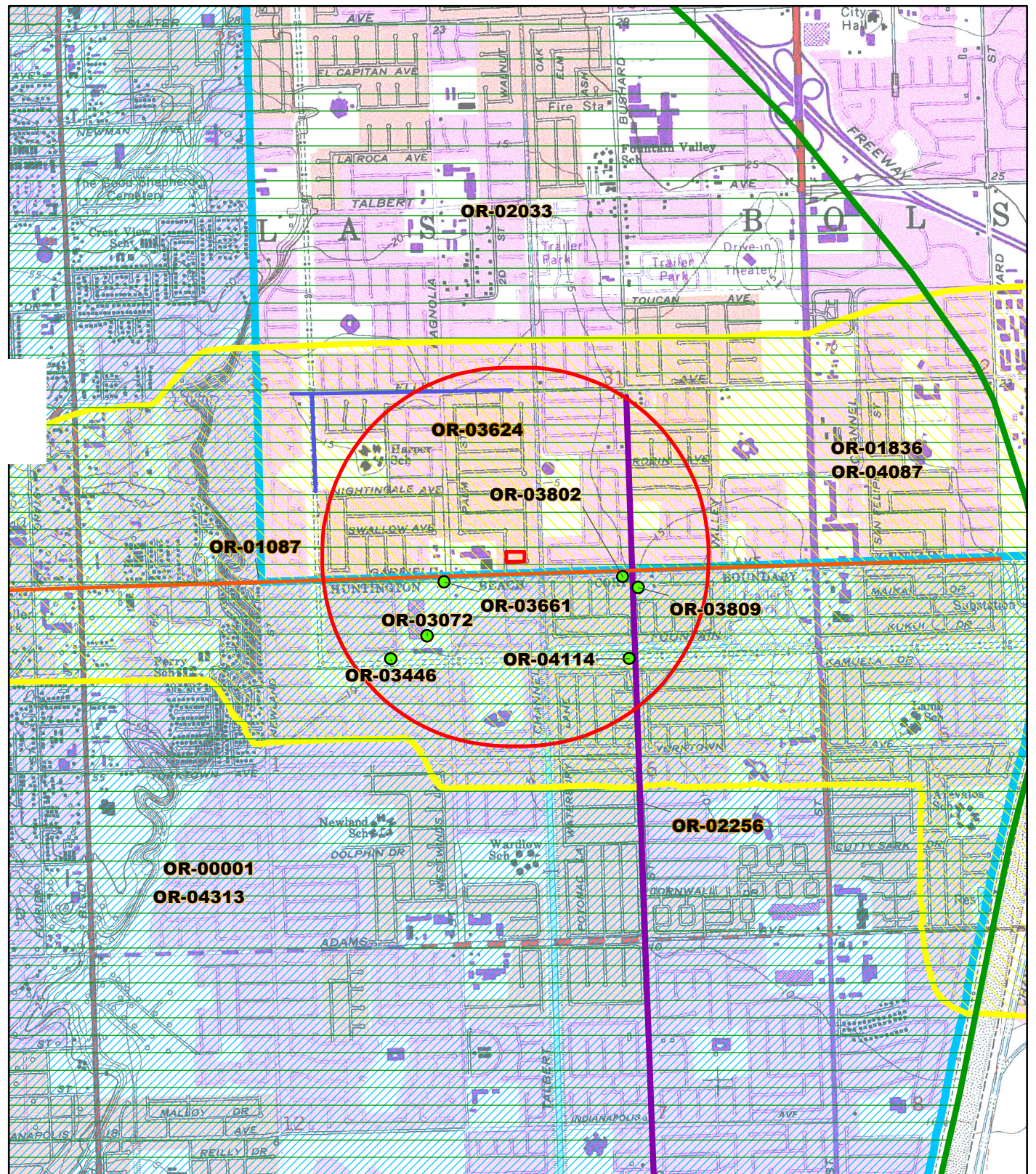
*Last modified:* 2/26/2015 agarcia

*IC actions:* *Date* *User* *Action taken*

2/26/2015 agarcia GIS QC

*Record status:*





Reports within project area:  
 OR-01836, OR-02033, OR-04087  
 11 reports within 1/2-mile radius

Newport Beach, CA  
 USGS 7.5'  
 PR: 1981 1:24,000  
 SCCIC #20556  
 AUG 2019

South Central Coastal Information Center

May depict confidential cultural resource locations. Do not distribute.



## Resource Detail: P-30-177114

---

### Identifying information

*Primary No.:* P-30-177114

*Trinomial:*

*Name:* SCE Bushard Lattice Tower

<i>Other IDs:</i>	<i>Type</i>	<i>Name</i>
	Resource Name	SCE Bushard Lattice Tower
	Other	M5/T1 Barre-Ellis
	Other	zip 92646

*Cross-refs:*

### Attributes

*Resource type:* Structure

*Age:* Historic

*Information base:* Survey

*Attribute codes:* HP11 (Engineering structure)

*Disclosure:* Unrestricted

*Collections:*

*Accession no(s):*

*Facility:*

### General notes

### Recording events

<i>Date</i>	<i>Recorder(s)</i>	<i>Affiliation</i>	<i>Notes</i>
8/13/2010	Brent D Johnson	Heritage Preservation Consultants	

### Associated reports

<i>Report No.</i>	<i>Year</i>	<i>Title</i>	<i>Affiliation</i>
OR-04114	2010	Cultural Resources Record Search and Archaeological Survey Results for the proposed Clear Wireless, LLC, Site CA-ORC4022A (SCE Bushard Lattice Tower M5/T1 Barre/Ellis) located at 19171 Bushard Street, Huntington Beach, Orange County, California, 92646	Historical, Environmental, Archaeological, Research, Team

### Location information

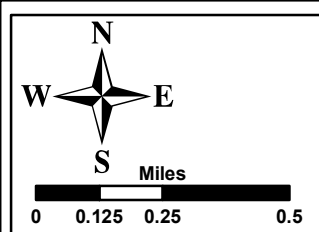
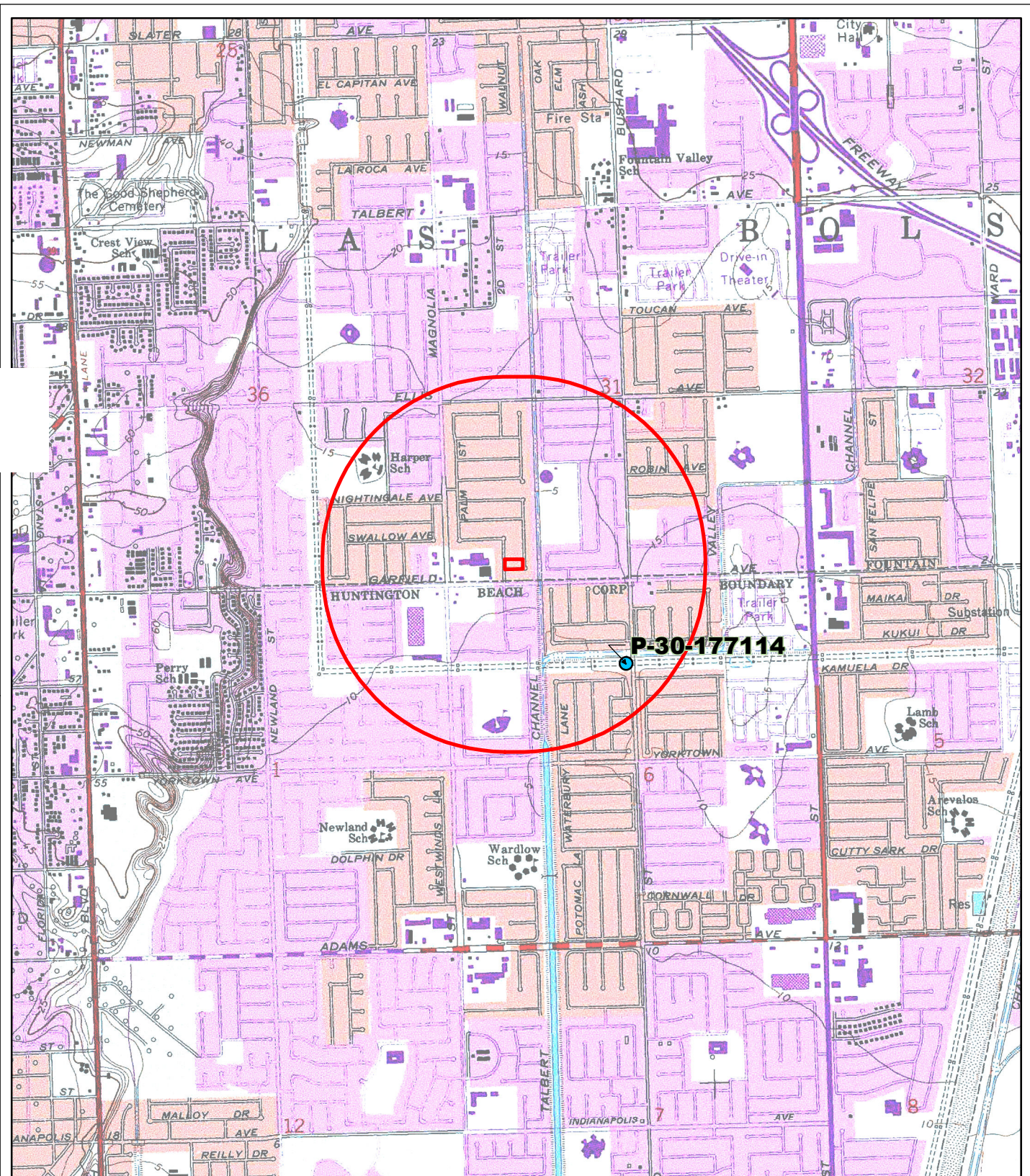
<i>County:</i> Orange				
<i>USGS quad(s):</i> NEWPORT BEACH				
<i>Address:</i>	<i>Address</i>	<i>City</i>	<i>Assessor's parcel no.</i>	<i>Zip code</i>
	19219 Bushard St	Huntington Beach	153-352-27	
<i>PLSS:</i>				
<i>UTMs:</i>				

### Management status

### Database record metadata

<i>Date</i>	<i>User</i>
<i>Entered:</i> 11/16/201	mgalaz
<i>Last modified:</i> 4/1/2014	mgalaz
<i>IC actions:</i>	
<i>Record status:</i>	





Resources within project area: None  
1 Resource within 1/2-mile radius

Newport Beach, CA  
USGS 7.5'  
PR: 1981 1:24,000  
SCCIC #20556  
AUG 2019

South Central Coastal Information Center

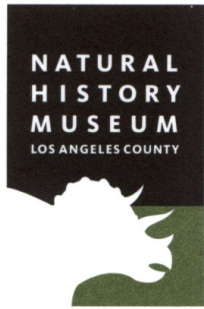
May depict confidential cultural resource locations. Do not distribute.



**ATTACHMENT B**

**Natural History Museum of Los Angeles County  
Vertebrate Paleontology 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)

16 August 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  
OCWD Well OCWD-58 Project, in the City of Fountain Valley, 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 OCWD Well OCWD-58 Project, in the City of Fountain Valley, Orange County, project area as outlined on the portion of the Newport Beach USGS topographic quadrangle map that you sent to me via e-mail on 2 August 2019. We do not have any vertebrate fossil localities that lie within the proposed project area boundaries, but we do have localities nearby from the same sedimentary deposits that may occur at depth in the proposed project area.

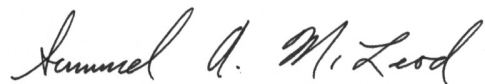
The entire proposed project has surface deposits of younger Quaternary Alluvium, derived as overbank deposits from the Santa Ana River that currently flows immediately to the east of the proposed project area. We have no fossil vertebrate localities anywhere nearby from these younger Quaternary deposits and they are unlikely to contain significant vertebrate fossils, at least in the uppermost layers. Small hills and bluffs both east and west of the proposed project area, however, define the Santa Ana River floodplain drainage and are mapped as having exposures of marine Quaternary Terrace deposits. These or other older Quaternary deposits probably occur in the proposed project area at unknown depth.

Our closest vertebrate fossil localities from these deposits are LACM 7657-7659, just northwest of the proposed project area along Ellis Avenue east of Beach Boulevard that from well core samples at depths between 130 and 400 feet below the surface produced a suite of marine vertebrates from the marine late Pleistocene San Pedro Formation including eagle ray, *Myliobatis*, skate, *Raja*, soupfin shark, *Galeorhinus galeus*, Pacific angel shark, *Squatina californica*, plainfin midshipman, *Porichthys notatus*, cusk eel, *Otophidium*, bay goby, *Lepidogobius lepidus*, queenfish, *Seriphus politus*, Pacific sanddab, *Citharichthys sordidus*, speckled sanddab, *Citharichthys stigmaeus*, and sculpin, *Leptocottus*. Southeast of the proposed project area, east of the Santa Ana River near the top of the mesa bluffs along Adams Avenue, our older Quaternary locality LACM 1339 produced fossil specimens of mammoth, *Mammuthus*, and camel, Camelidae, from sands approximately 15 feet below the top of the mesa that is overlain by shell bearing silts and sands.

Shallow excavations in the younger Quaternary Alluvium exposed throughout the proposed project area probably will not uncover significant vertebrate fossil remains. Deeper excavations that extend down into the older Quaternary deposits, however, may well encounter significant fossil vertebrate specimens. Any substantial excavations below the uppermost layers in the proposed project area, therefore, should be monitored closely to quickly and professionally recover any fossil remains discovered while not impeding development. Also, sediment samples from the finer-grained deposits should 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 black ink, reading "Samuel A. McLeod". The signature is written in a cursive, flowing style.

Samuel A. McLeod, Ph.D.  
Vertebrate Paleontology

enclosure: invoice