

Appendix D

Cultural Data



24 January 2008

PBS&J  
12301 Wilshire Boulevard, Suite 430  
Los Angeles, CA 90025

Attn: Allison Wax, Environmental Analyst

re: Vertebrate Paleontology Records Check for paleontological resources for the proposed Bella Terra Phase II, in the City of Huntington Beach, Orange County, project area

Dear Allison:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for the proposed Bella Terra Phase II, in the City of Huntington Beach, Orange County, project area as outlined on the section of the Newport Beach USGS topographic quadrangle map that you sent to me on 14 January 2008. We do not have any vertebrate fossil localities that lie within the project boundaries, but we do have localities nearby from the same sedimentary units that may occur as subsurface deposits in the proposed project area.

The entire proposed project area has surficial deposits composed of younger Quaternary Alluvium. These deposits usually do not contain significant vertebrate fossils, at least in the uppermost layers. Our closest fossil vertebrate locality from these deposits is LACM 4018, situated south-southwest of the proposed project area at the intersection of Warner Avenue and Golden West Street, that produced specimens of invertebrates, reptiles, birds, rodents, horses and deer in peat between four and eight feet below the surface, but these specimens were later determined to be of very late Holocene age. Both south and southwest of the proposed project area, however, there are exposures of Quaternary terraces, either marine or terrestrial, that may occur as subsurface deposits in the proposed project area. Our closest fossil vertebrate locality from these latter deposits is LACM 65113, situated west-southwest of the proposed project area along Warner Avenue close to Bolsa Chica Street, that produced Pleistocene age specimens of mammoth, *Mammuthus*, between six and eight feet below the soil and specimens of fossil bison, *Bison*, between fourteen and twenty feet below the soil. At Sunset and Bolsa Chica beaches further west-southwest of the proposed project area we have three fossil vertebrate localities from similar deposits in the intertidal zone or just offshore that produced fossil specimens of Pleistocene age: LACM 1121 produced mammoth, *Mammuthus*, sea otter, *Enhydra*, and horse *Equus*; LACM 3291 produced camel, *Camelops hesternus*; and LACM

6912 produced mammoth, *Mammuthus*, ground sloth, *Paramylodon*, horse, *Equus*, and bison, *Bison*.

Grading or shallow excavations in the younger Quaternary Alluvium in the proposed project area are unlikely to uncover significant fossil vertebrate remains. Deeper excavations in the proposed project area that extend down into older Quaternary deposits, however, have a good chance of encountering significant vertebrate fossils of Late Pleistocene (Quaternary) age. Therefore, any substantial excavations in the proposed project area should be monitored closely to quickly and professionally recover any fossil remains discovered while not impeding development. Any fossil materials uncovered during mitigation activities 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

enclosure: invoice

19 May 2008

Allison Wax, Environmental Analyst  
PBS&J  
12301 Wilshire Blvd., Suite 430  
Los Angeles, CA 90025  
ph. (310) 268-8132  
fax (310) 268-8175  
APWax@pbsj.com

Re: Paleontological - Invertebrate Check for the Huntington Beach Bella Terra Phase 2 project site EIR, City of Huntington Beach, CA

Dear Allison,

The location of the Huntington Beach Bella Terra Phase 2 project site, southwest of the San Diego Freeway (405) and south of Center Avenue at 7777 Edinger Avenue, Huntington Beach, California (Newport Beach 7.5' Quadrangle, SW 1/4, SE 1/4, section 14, T5S, R11W), is on surficial sediments composed of Quaternary (Holocene) alluvium and colluvium (Qac), as determined from the information plotted on the Geologic Map of Orange County, California, showing Mines and Mineral Deposits (California Division of Mines and Geology, Bulletin 204, Plate 1, by P. K. Morton and R. V. Miller, 1981). The only LACMIP invertebrate fossil localities on record that are in the general vicinity of this project site are in the Pleistocene marine deposits along the coastal areas to the west, south, and southeast. These deposits primarily crop out in the vicinity of Seal Beach, Sunset Beach, Huntington Beach (including LACMIP localities 436, 17427, 21491, 23655, 23656, and 23657), and Newport Beach - Newport Bay (including LACMIP localities 487, 17005, 22831, 31322, and 40007). Because the project site is only about 1.25 miles north of the closest mapped outcrop of Pleistocene marine terrace deposits (near Warner Avenue in Ocean View), it is possible that this unit may be present in the shallow subsurface at the project site. The LACMIP collections also have numerous invertebrate fossil localities in the Tertiary (Miocene and Pliocene) marine strata in the areas directly adjacent to Newport Bay and to the east, but these outcrops of older fossiliferous units are more than 9 miles away from the project site.

Assuming the excavations do not penetrate into Pleistocene marine deposits or older bedrock, and because none of the Quaternary (Holocene) surficial sediments (Qac) in this area is known to be fossiliferous, it is unlikely that any fossil invertebrates will be disturbed during construction at this site. However, if Pleistocene marine terrace deposits or older bedrock are encountered during construction, then the situation changes and there would be a higher probability that invertebrate fossils could be found. There is always some chance that fossils of freshwater or terrestrial invertebrates and vertebrates could be found in the Quaternary (Holocene) surficial sediments (Qac) at this site. The LACMIP collections do not have any invertebrate fossils from the Huntington Beach Bella Terra Phase 2 project site or its immediate vicinity.

Let me know if you have any questions about this information.

Best regards,  
Harry F. Filkorn, Ph.D.  
Paleontological Consultant

STATE OF CALIFORNIA

Arnold Schwarzenegger Governor

**NATIVE AMERICAN HERITAGE COMMISSION**

915 CAPITOL MALL, ROOM 384  
SACRAMENTO, CA 95814  
(916) 653-6251  
Fax (916) 657-5390  
Web Site [www.nahc.ca.gov](http://www.nahc.ca.gov)  
ds\_nahc@pacbell.net



January 23, 2008

Ms. Allison Wax, EQA/NEPA Environmental Analyst

**PBS&J**

12301 Wilshire Boulevard, Suite 430  
Los Angeles, CA 90025

Sent by FAX to: 310-268-8175

Number of Pages: 3

Re: Request for a Sacred Lands File records search for the proposed Bella Terra Project, Phase II; located on Edinger Avenue in the City of Huntington Beach; Orange County, California

Dear Ms. Wax:

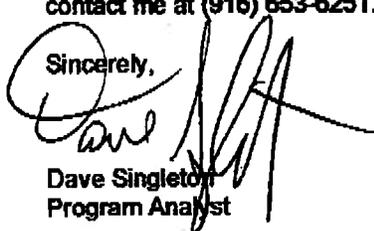
The Native American Heritage Commission was able to perform a record search of its Sacred Lands File (SLF) for the affected project area (APE). The SLF search did indicate the presence of Native American cultural resources in the immediate project.

Early consultation with Native American tribes in your area is the best way to avoid unanticipated discoveries once a project is underway. Enclosed are the names of the nearest tribes that may have knowledge of cultural resources in the project area. In particular, we recommend that you contact David Belardes at (949) 493-0959 and the other persons on the attached list of Native American contacts may have knowledge as to whether or not the known cultural resources identified may be at-risk by the proposed project. The Commission makes no recommendation of a single individual or group over another. It is advisable to contact the person listed; if they cannot supply you with specific information about the impact on cultural resources, they may be able to refer you to another tribe or person knowledgeable of the cultural resources in or near the affected project area (APE).

Lack of surface evidence of archeological resources does not preclude the existence of archeological resources. In fact, a Native American tribe may be the only source of information about a cultural resource. Lead agencies should consider avoidance, as defined in Section 15370 of the California Environmental Quality Act (CEQA) when significant cultural resources could be affected by a project. Also, Public Resources Code Section 5097.98 and Health & Safety Code Section 7050.5 provide for provisions for accidentally discovered archeological resources during construction and mandate the processes to be followed in the event of an accidental discovery of any human remains in a project location other than a 'dedicated cemetery. Discussion of these should be included in your environmental documents, as appropriate.

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

Sincerely,



Dave Singleton  
Program Analyst

Attachment: Native American Contact List

**Native American Contacts  
Orange County  
January 23, 2008**

**Ti'At Society**

Cindi Alvitre

6515 E. Seaside Walk, #C  
Long Beach , CA 90803calvitre@yahoo.com  
(714) 504-2468 Cell

Gabrielino

Juaneno Band of Mission Indians Acjachemen Nation

Anthony Rivera, Chairman

31411-A La Matanza Street Juaneno  
San Juan Capistrano , CA 92675-2674arivera@juaneno.com  
949-488-3484  
949-488-3294 Fax

Juaneno Band of Mission Indians Acjachemen Nation

David Belardes, Chairperson

31742 Via Belardes Juaneno  
San Juan Capistrano , CA 92675DavidBelardes@hotmail.com  
(949) 493-0959

(949) 493-1601 Fax

Gabrielino Tongva Indians of California Tribal Council

Robert Dorame, Tribal Chair/Cultural Resources

5450 Slauson, Ave, Suite 151 PMB Gabrielino Tongva  
Culver City , CA 90230gtongva@verizon.net  
562-761-6417 - voice  
562-925-7989 - fax**Gabrieleno/Tongva San Gabriel Band of Mission**

Anthony Morales, Chairperson

PO Box 693 Gabrielino Tongva  
San Gabriel , CA 91778ChiefRBwife@aol.com  
(626) 286-1632  
(626) 286-1758 - Home  
(626) 286-1262 Fax

Juaneno Band of Mission Indians Acjachemen Nation

Joyce Perry , Tribal Manager &amp; Cultural Resources

31742 Via Belardes Juaneno  
San Juan Capistrano , CA 92675kaamalam@cox.net  
(949) 493-0959  
(949) 293-8522 Cell  
(949) 493-1601 Fax

Gabrielino/Tongva Council / Gabrielino Tongva Nation

Sam Dunlap, Tribal Secretary

761 Terminal Street, Bldg 1, 2nd floor Gabrielino Tongva  
Los Angeles , CA 90021office @tongvatribes.net  
(213) 489-5001 - Officer  
(909) 262-9351 - cell  
(213) 489-5002 Fax

Juaneno Band of Mission Indians

Alfred Cruz, Cultural Resources Coordinator

P.O. Box 25628 Juaneno  
Santa Ana , CA 92799alfredgcruz@sbcglobal.net  
714-998-0721  
sifredgcruz@sbcglobal.net

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

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

This list is only applicable for contacting local Native American with regard to cultural resources for the proposed Bella Terra Project, Phase II; located in the City of Huntington Beach; Orange County, California for which a Sacred Lands File search and Native American Contacts list were requested.

**Native American Contacts  
Orange County  
January 23, 2008**

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

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

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

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

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

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

**This list is only applicable for contacting local Native American with regard to cultural resources for the proposed Bella Terra Project, Phase II; located in the City of Huntington Beach; Orange County, California for which a Sacred Lands File search and Native American Contacts list were requested.**

**South Central Coastal Information Center**  
*California Historical Resources Information System*  
California State University, Fullerton  
Department of Anthropology  
800 North State College Boulevard  
Fullerton, CA 92834-6846  
714.278.5395 / FAX 714.278.5542  
[anthro.fullerton.edu/sccic.html](http://anthro.fullerton.edu/sccic.html) - [sccic@fullerton.edu](mailto:sccic@fullerton.edu)

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*Ventura*  
*Los Angeles*  
*Orange*

January 28, 2008

SCCIC # 8222.5280

Ms. Allison Wax  
PBS&J  
12301 Wilshire Boulevard  
Suite 430  
Los Angeles, CA 90025  
(310) 268-8132

RE: Record Search Results for the Bella Terra Phase II Project Located in the City of Huntington Beach, California

Dear Ms. Wax,

As per your request received on January 16, 2008, a records search was conducted for the above referenced project. The search includes a review of all recorded archaeological sites within a 1/2-mile radius of the project site as well as a review of cultural resource reports on file. In addition, the California Points of Historical Interest (PHI), the California Historical Landmarks (CHL), the California Register of Historical Resources (CR), the National Register of Historic Places (NR), and the California State Historic Resources Inventory (HRI) listings were reviewed for the above referenced project site. The following is a discussion of the findings.

Due to the sensitive nature of cultural resources, archaeological site locations are not released.

***Newport Beach and Seal Beach, CA. USGS 7.5' Quadrangles***

**ARCHAEOLOGICAL RESOURCES:**

No archaeological sites have been identified within a 1/2-mile radius of the project site. No sites are located within the project site. This does not preclude the potential for archaeological sites to be identified during project activities. No isolates have been identified within a 1/2-mile radius of the project site. No isolates are located within the project site.

## **HISTORIC RESOURCES:**

A review of the historic maps – Santa Ana (1896 and 1946) 15' USGS - indicated that in 1896 there were five improved roads and thirteen structures. In 1946 there were eight improved roads, one railroad line, and fifteen structures.

The California Point of Historical Interest (2007) of the Office of Historic Preservation, Department of Parks and Recreation, lists no properties within a ½-mile radius of the project site.

The California Historical Landmarks (2007) of the Office of Historic Preservation, Department of Parks and Recreation, lists no properties within a ½-mile radius of the project site.

The California Register of Historical Places (2007) lists no properties within a ½-mile radius of the project site. These are properties determined to have a National Register of Historic Places Status of 1 or 2, a California Historical Landmark numbering 770 and higher, or a Point of Historical Interest listed after 1/1/1998.

The National Register of Historic Places lists no properties within a ½-mile radius of the project site.

The California Historic Resources Inventory (2007) lists no properties that have been evaluated for historical significance within a ½-mile radius of the project site.

## **PREVIOUS CULTURAL RESOURCES INVESTIGATIONS:**

Four studies (OR1\*, OR780, OR1673, and OR3326) have been conducted within a ½-mile radius of the project site. Of these, one is located within the project site. There are five additional investigations located on the Newport Beach and Seal Beach 7.5' USGS Quadrangles that are potentially within a ½-mile radius of the project site. The reports are not mapped due to insufficient locational information.  
*(\* = Located within the project site)*

## **RECOMMENDATIONS**

According to our records, the project site has not been subjected to any (recent) studies and the current cultural resource sensitivity of the project site is unknown. The only previous report (OR1) was conducted in 1973, and is considered out of date. Current surface conditions do not appear to allow for an adequate survey of potential surface or sub-surface cultural artifacts. Although the project occurs in an area where the surface and subsurface appears to have been previously disturbed, there is still potential for buried prehistoric and / or historic resources within the project boundaries. Therefore, in order to avoid damaging any previously unidentified cultural resources, an archaeological monitor should be in place for ground-disturbing activities.

If any structures 45 years and older will be affected by the proposed project, it is recommended that the structures be assessed and evaluated for potential historic significance.

The professional consultant you retain may request the records search map, archaeological site records, and bibliography from the Information Center referencing

the SCCIC number listed above for a fee (per the fee schedule). Any resulting reports by the qualified consultant should be submitted to the South Central Coastal Information Center as soon as possible.

If you have any questions regarding the results presented herein, please contact the office at 714.278.5395 Monday through Thursday 8:00 am to 3:30 pm.

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

Sincerely,  
SCCIC



Thomas David Shackford  
Lead Staff Researcher

Enclosures:

- (X) Referral List – 8 pages
- (X) Invoice # 8222.5280

