

APPENDIX D2
PALEONTOLOGICAL RECORDS SEARCH

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Research & Collections

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March 6, 2021

UltraSystems Environmental

Attn: Stephen O'Neil

re: Paleontological resources for the Adams Avenue Affordable Housing Development Project (7080)

Dear Stephen:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for proposed development at the Adams Avenue Affordable Housing Development project area as outlined on the portion of the Murrieta USGS topographic quadrangle map that you sent to me via e-mail on March 2, 2021. We do not have any fossil localities that lie directly within the proposed project area, but we do have fossil localities nearby from the same sedimentary deposits that occur in the proposed project area, either at the surface or at depth.

The following table shows the closest known localities in the collection of the Natural History Museum of Los Angeles County.

Locality Number	Location	Formation	Taxa	Depth
LACM VP 7941	Just south of I-15 along Auto Mall Parkway, Temecula Valley	Pauba Formation (interbedded siltstones & fine to coarse-grained sandstones)	Horse (<i>Equus</i>); elephant family (Proboscidea)	5-10 feet bgs
LACM VP 5891 - 5892	Along Margarita Rd., east of Santa Gertrudis Creek, southeast of Murrieta	Pauba Formation	Horse Family (Equidae)	Unrecorded (collected during grading activities)
LACM VP 5789, 5893, 7972*; LACM IP 11938	Multiple localities SE of Temecula	Pauba Formation	Horse Family (Equidae), Mammoth (<i>Mammuthus</i>), other unidentified vertebrates; invertebrates	Unrecorded
LACM VP 7261	Skinner Reservoir, Auld Valley	Unknown formation (Pleistocene, arenaceous silt)	Elephant family (Proboscidea); ungulate (Ungulata)	Unknown
LACM VP 6967, 7456	Hwy 79 between George Cushman Ct. and Butterfield Stage Rd, Pauba	younger alluvium pebble - gravel; sand; silt & clay	Tree frog (<i>Hyla</i>); legless lizard (<i>Anniella</i>); garter snake (<i>Thamnophis</i>); pocket gopher (<i>Thomomys</i>); snails	Unknown, collected during augering

	Valley near Temecula		(gastropoda)	
LACM VP 6059	Overflow area just east-southeast of Lake Elsinore	Unknown formation (Pleistocene)	Camel (Camelidae)	Unknown

VP, Vertebrate Paleontology; IP, Invertebrate Paleontology; bgs, below ground surface

**Radiocarbon Age of 46360 +/- 1420 BP on charcoal associated with the mammoth specimen*

This records search covers only the records of the Natural History Museum of Los Angeles County (“NHMLA”). It is not intended as a paleontological assessment of the project area for the purposes of CEQA or NEPA. Potentially fossil-bearing units are present in the project area, either at the surface or in the subsurface. As such, NHMLA recommends that a full paleontological assessment of the project area be conducted by a paleontologist meeting Bureau of Land Management or Society of Vertebrate Paleontology standards.

Sincerely,



Alyssa Bell, Ph.D.
Natural History Museum of Los Angeles County

enclosure: invoice