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Research & Collections

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February 6, 2023

CAJA Environmental Services
Attn: Sherrie Cruz

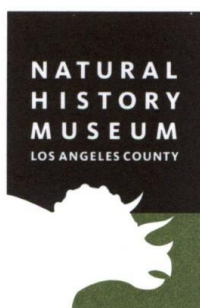
re: Paleontological resources for the Rose Residential Project

Dear Sherrie:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for proposed development at the Rose Residential Project area as outlined on the portion of the Torrance USGS topographic quadrangle map that you sent to me via e-mail on January 13, 2023. 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 (NHMLA).

Locality Number	Location	Formation	Taxa	Depth
LACM IP 21125	Just N of the intersection of Western Ave & Torrance Blvd	Unrecorded (Pleistocene)	Invertebrates (unspecified)	Unrecorded
LACM VP 3823	SE corner of Figueroa St & Sepulveda Blvd	Unidentified (Pleistocene; grey buff arenaceous silt)	Camel family (Camelidae)	12-14 feet bgs
LACM VP 3085	intersection of Lomita Blvd & Main St	Palos Verdes Sand	Fish (Condrichthyes); Rays (Myliobatoidea); Toothed whale (Odontoceti); Invertebrates (Mollusca)	Unrecorded (collected during excavations for sewer outfall)
LACM VP 3249	Lomita, general locality number for specimens without locality data from the area	Unknown formation (Pleistocene)	Mastodon (<i>Mammut</i>), Bison (<i>Bison</i>), Camel (<i>Camelops</i> , <i>Tanupolama</i>), sea lion (<i>Eumetopias</i>), ground sloth (<i>Megalonyx</i>), horse (<i>Equus</i>), tapir (<i>Tapirus</i>); Loon (<i>Gavia</i>), grebe (<i>Achmophorous</i>), sea duck (<i>Chendytes</i>), teleost fish, and other unspecified vertebrates; invertebrate rich sand lenses common	Unknown (many collected from sand pit operations)



LACM VP 4319; LACM IP 409, 42205	Gravel pit SW of the intersection of Hawthorne Blvd and Via Valmonte	Palos Verdes Sand	Camel family (Camelidae); sharks (<i>Carcharodon</i> , <i>Carcharhinus</i>); invertebrates (unspecified)	Unknown
LACM VP 5084	In an open field at the end of Via Pinzon at the base of a bluff on the corporate boundary between Palos Verdes Estates & Walteria	Lomita Marl	Mackerel shark (<i>Isurus</i>); invertebrates: lucines (<i>Lucinoma</i> , <i>Epilucina</i>), tower shell (<i>Turritella</i>), spindle snail (<i>Barbarofusus</i>), turrid snail (<i>Antiplanes</i>), turban snail (<i>Pomaulax</i>), triton (<i>Fusitriton</i>), tellin (<i>Macoma</i>), frog shells (<i>Crossata</i>), corrugated clam (<i>Humilaria</i>), scallop (<i>Chlamys</i>), flasejingle (<i>Pododesmus</i>)	Unknown

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

This records search covers only the records of the 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