

APPENDIX E2
PALEONTOLOGICAL RECORDS SEARCH

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December 8, 2024

UltraSystems
Attn: Stephen O'Neil

re: Paleontological resources records search for the Orange Coast Memorial Medical Center Parking Structure Project (Project No. 7307)

Dear Stephen:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for proposed development at the Orange Coast Memorial Medical Center Parking Structure project area as outlined on the portion of the Newport Beach USGS topographic quadrangle map that you sent to me via e-mail on November 27, 2024. 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 may 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 VP 7657 - 7659	Ellis Avenue & Patterson Lane, Huntington Beach	Unknown Formation (Pleistocene; gray siltstone)	School shark (<i>Galeorhinus</i>), eagle ray (<i>Myliobatus</i>), goby (<i>Lepidogobius</i> , <i>Leptocottus</i>), midshipmen (<i>Porichthys</i>), croaker (<i>Seriphus</i>), flatfish (<i>Citharichthys</i>), cusk-eel (<i>Otophidium</i>), skate (<i>Raja</i>), angelshark (<i>Squatina</i>), sculpin (<i>Cottidae</i>)	150 - 350 ft bgs
LACM VP 6370 - 6371	Near the intersection of Superior Avenue & Pacific Coast Highway; Newport Beach	Terrace deposits (Pleistocene, silty sandstones)	Horse (<i>Equus</i>), other unspecified mammals; Invertebrates: clam (<i>Tivela</i> , <i>Donax</i> , <i>Lucinisca</i>), scaphopod (<i>Dentalium</i> , <i>Antalis</i>), marine gastropods (<i>Glossaulax</i> , <i>Chlorostoma</i>)	Unknown (found during grading for parking lot construction)
LACM VP 7366, 7422 – 7424, 7679; LACM IP	The Huntington Beach Urban Center Sand Borrow Area, N of	Unknown formation (Pleistocene, sands)	Legless lizard (<i>Anniella</i>), tree frog (<i>Hyla</i>), gopher snake (<i>Pituophis</i>), garter snake (<i>Thamnophis</i>), kingsnake	Unknown

Locality Number	Location	Formation	Taxa	Depth
17427	Pacific Coast Hwy and W of Huntington Dr		(<i>Lampropeltis</i>), ring-necked snake (<i>Diadophis</i>), garter snake (<i>Thamnophis</i>), long-nosed snake (<i>Rhinocheilus</i>), coachwhip (<i>Masticophis</i>), salamander (<i>Enatina</i>), slender salamander (<i>Batrachoseps</i>), skinks (<i>Plestiodon</i>), alligator lizard (<i>Gerrhonotus</i>), toad (<i>Bufo</i>), side-blotched lizard (<i>Uta</i>), spiny lizard (<i>Sceloporus</i>), climbing salamander (<i>Aneides</i>), turtle (<i>Clemmys</i>); quail (<i>Callipepla</i>), rail (<i>Rallus</i>); vole (<i>Microtus</i>), pocket gopher (<i>Thomomys</i>), shrew (<i>Sorex</i>), kangaroo rat (<i>Dipodomys</i>), cottontail rabbit (<i>Sylvilagus</i>), mole (<i>Scapanus</i>), harvest mouse (<i>Reithrodontomys</i>), deer mouse (<i>Peromyscus</i>), pack rat (<i>Neotoma</i>), chipmunk (<i>Eutamias</i>), bat (Chiroptera), Mammoth (<i>Mammuthus</i>), horse (<i>Equus</i>), bison (<i>Bison</i>); stickleback (<i>Gasterosteus</i>), houndshark (<i>Triakis</i>); land snails (Gastropoda)	
LACM VP 65113	5092 Wintersburg Road; Huntington Beach	Unknown formation (Pleistocene)	Mammoth (<i>Mammuthus</i>), bison (<i>Bison</i>); uncatalogued invertebrates	6 - 20 feet bgs
LACM IP 23657	Huntington Central Park West	Unknown formation (Pleistocene; sands)	Invertebrates (uncatalogued)	Surface
LACM VP 3267	Near intersection of 19th & Anaheim in Costa Mesa	Unknown Formation (Pleistocene)	Proboscidea	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 Federal (43 Code of Federal Regulations Part 49.110) or Society of Vertebrate Paleontology standards.

Sincerely,



Alyssa Bell, Ph.D.

Natural History Museum of Los Angeles County

enclosure: invoice