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Research & Collections

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March 26, 2023

PlaceWorks
Attn: Elizabeth Kim

re: Paleontological resources for the Bus Yard at Sowers Middle School Project

Dear Elizabeth:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for proposed development at the Bus Yard at Sowers Middle School project area as outlined on the portion of the Anaheim USGS topographic quadrangle map that you sent to me via e-mail on March 17, 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 21488	S of the Santa Ana River near Adams Ave	Unknown formation (Pleistocene; med to coarse limonitic stained sand)	Invertebrates (unspecified)	Unknown
LACM IP 436	Corner of Brookhurst and Hamilton Streets; Huntington Beach	Unknown formation (Holocene; sub-recent)	Invertebrates (unspecified)	35-40 feet bgs
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 feet bgs
LACM VP 7366, 7422-7425, 7679...	The Huntington Beach Urban Center Sand Borrow Area, N of Pacific Coast Hwy and W of Huntington Dr	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 (<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>),	Unknown

slender salamander (*Batrachoseps*), skinks (*Plestiodon*), alligator lizard (*Gerrhonotus*), toad (*Bufo*), side-blotched lizard (*Uta*), spiny lizard (*Sceloporus*), climbing salamander (*Aneides*), turtle (*Clemmys*); quail (*Callipepla*), rail (*Rallus*); vole (*Microtus*), pocket gopher (*Thomomys*), shrew (*Sorex*), kangaroo rat (*Dipodomys*), cottontail rabbit (*Sylvilagus*), mole (*Scapanus*), harvest mouse (*Reithrodontomys*), deer mouse (*Peromyscus*), pack rat (*Neotoma*), chipmunk (*Eutamias*), bat (Chiroptera), Mammoth (*Mammuthus*), horse (*Equus*), bison (*Bison*); stickleback (*Gasterosteus*), houndshark (*Triakis*); Land snails (Gastropoda)

LACM VP 3267	Near intersection of 19th & Anaheim	Unknown Formation (Pleistocene)	Proboscidea	Unknown
LACM VP 4219	SW end of the Newport Fwy between Santa Isabel Ave & 23rd St	Palos Verdes Sand (coarse poorly sorted friable sand)	camel family (Camelidae), sea turtle (Cheloniidae); uncatalogued fish and birds; invertebrates	30 feet bgs

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