Appendix D

Paleontological Resources Records Search

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February 6, 2022

Dudek
Attn: Jason Collins

re: Paleontological resources for the Talbert Regional Park Master Plan MND (PN:13230)

Dear Jason:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for proposed development at the Talbert Regional Park Master Plan MND project area as outlined on the portion of the Newport Beach USGS topographic quadrangle map that you sent to me via e-mail on February 1, 2022. We do not have any fossil localities that lie directly within the proposed project area, but we do have fossil localities very near 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 436	Corner of Brookhurst and Hamilton Streets; Huntington Beach	Unknown formation (Holocene; sub-recent)	Invertebrates (unspecified)	35-40 feet bgs
LACM IP 241	On highway 101; 1 mile west of the viaduct [bridge], a one-mile exposure of fossiliferous beds	Palos Verdes Sand, bed 40-60 feet thick	Invertebrates (uncatalogued	Unrecorded
LACM VP 7422-7425, 7366, 7679; LACM IP 17427	The Huntington Beach Urban Center Sand Borrow Area, N of Pacific Coast Hwy and W of Huntington Dr	Unknown formation (Pleistocene, sands)	Legless lizard (*Anniella*), tree frog (*Hyla*), gopher snake (*Pituophis*), garter snake (Thamnophis), kingsnake *(Lampropeltis)*, ring-necked snake *(Diadophis*), garter snake (*Thamnophis*), long-nosed snake (*Rhinocheilus*), coachwhip (*Masticophis*), salamander (*Enatina*), slender salamander (*Batrachoseps*), skinks (*Plestiodon*), alligator lizard (*Gerrhonotus*), toad (*Bufo*), side-blotched lizard *(Uta*), spiny lizard (*Sceloporus*), climbing salamander (*Aneides*), turtle (*Clemmys*); quail	Unrecorded

			(*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 7657-7659	Ellis Avenue & Patterson Lane, Huntington Beach	Unknown Formation (Pleistocene; gray siltstone)	School shark (*Galeorhinus*), eagle ray *(Myliobatus*), flatfish (*Citharichthys*), goby (*Lepidogobius, Leptocottus*), midshipmen (*Porichthys*), croaker (*Seriphus*), cusk-eel (*Otophidium*), skate (*Raja*), angelshark (*Squatina*), sculpin (Cottidae)	150 - 350 ft bgs
LACM VP 5466	Northwest corner of the intersection of Jamboree Road & Pacific Coast Highway; Newport Beach	Palos Verdes Sand	Horse (*Equus*)	Unrecorded
LACM VP 4254, LACM IP 17103, 17104	Corona del Mar Plaza, Newport Beach	Palos Verdes Sand	Seaduck (*Chendytes*); saltwater clam (*Chama, Septifer, Epilucina*), mussel (*Mytilus*), sponge trace (*Entobia*), feeding trace (*Oichnus*), oyster (*Ostrea*), turban snail (*Megastraea*), limpet (*Lottia*)	Unrecorded

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