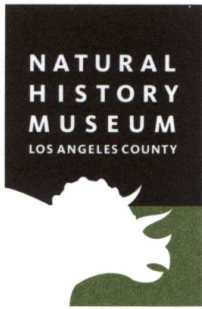


Natural History Museum  
of Los Angeles County  
900 Exposition Boulevard  
Los Angeles, CA 90007

tel 213.763.DINO  
www.nhm.org



Vertebrate Paleontology Section  
Telephone: (213) 763-3325

e-mail: [smcleod@nhm.org](mailto:smcleod@nhm.org)

10 December 2018

Dudek  
605 Third Street  
Encinitas, CA 92024

Attn: Michael Williams, Ph.D., Senior Paleontologist

re: Vertebrate Paleontology Records Check for paleontological resources for the proposed Kaiser Moreno Valley Project, Dudek Project # 10624, in Moreno Valley, Riverside County, project area

Dear Michael:

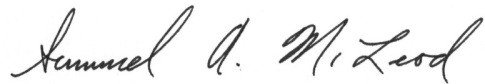
I have conducted a thorough search of our paleontology collection records for the locality and specimen data for the proposed Kaiser Moreno Valley Project, Dudek Project # 10624, in Moreno Valley, Riverside County, project area as outlined on the portion of the Sunnymead USGS topographic quadrangle map that you sent to me via e-mail on 26 November 2018. We do not have any vertebrate fossil localities that occur within the boundaries of the proposed project area, but we have a locality nearby from sedimentary deposits similar to those that occur in the proposed project area, either at the surface or at depth.

Surficial deposits in the entire proposed project area consist of older Quaternary Alluvium, derived as alluvial fan deposits from the mountains adjacent to the southeast. These deposits are probably relatively coarse being so close to the source area of intrusive igneous rocks and typically do not contain significant vertebrate fossils, at least in the uppermost layers. Older and perhaps finer-grained pockets Quaternary deposits may occur at relatively shallow depth, however. Our closest vertebrate fossil locality from somewhat similar deposits is LACM 4540, from the gravel pits just west of Jack Rabbit Trail almost due east of the proposed project area on the eastern side of the San Jacinto Valley, that produced a specimen of fossil horse, *Equus*.

Shallow excavations in the relatively coarse older Quaternary alluvial fan deposits exposed in the rest of the proposed project area are unlikely to encounter any significant fossil vertebrate remains. Deeper excavations in those deposits that extend down into older Quaternary and perhaps finer-grained deposits, however, may well uncover significant vertebrate fossils. Any substantial excavations in the sedimentary deposits in the proposed project area, therefore, should be monitored closely to quickly and professionally recover any fossil remains discovered while not impeding development. Also, sediment samples should be collected and processed to determine the small fossil potential in the proposed project area. Any fossils recovered during mitigation should be deposited in an accredited and permanent scientific institution for the benefit of current and future generations.

This records search covers only the vertebrate paleontology records of the Natural History Museum of Los Angeles County. It is not intended to be a thorough paleontological survey of the proposed project area covering other institutional records, a literature survey, or any potential on-site survey.

Sincerely,

A handwritten signature in cursive script that reads "Samuel A. McLeod". The signature is written in black ink and is positioned above the typed name.

Samuel A. McLeod, Ph.D.  
Vertebrate Paleontology

enclosure: invoice