

Appendix D-4  
Paleo Records Search

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  
Fax: (213) 746-7431  
e-mail: [smcleod@nhm.org](mailto:smcleod@nhm.org)

26 February 2015

CAJA Environmental Services, LLC  
11990 West San Vicente Boulevard, Suite 200  
Los Angeles, CA 90049

Attn: Kerrie Nicholson, Senior Project Manager

re: Paleontological resources for the proposed Haverhill Drive Residential Project, in the Mt. Washington area of the City of Los Angeles, Los Angeles County, project area

Dear Kerrie:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for the proposed Haverhill Drive Residential Project, in the Mt. Washington area of the City of Los Angeles, Los Angeles County, project area as outlined on the portion of the Los Angeles USGS topographic quadrangle map that you sent to me via e-mail on 11 February 2015. We do not have any vertebrate fossil localities that lie within the project boundaries, but we do have localities nearby from the same sedimentary deposits that occur in the proposed project area.

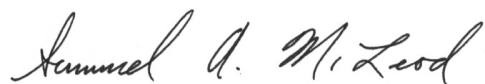
Surface deposits and bedrock in the entire proposed project area consist of the marine late Miocene Puente Formation (also referred to as the Monterey Formation in this area). Our closest vertebrate fossil locality from these deposits is LACM 6934, southeast of the proposed project area directly east of the Mt. Washington school, that produced a fossil specimen of baleen whale, *Mysticeti*. Other nearby fossil vertebrate localities from the upper Monterey Formation include locality LACM 7017, further southeast of the proposed project area just below the Southwest Museum near the Pasadena Freeway (I-110), that produced fossil bony fish, *Osteichthyes*, locality LACM 1880, almost due south of the proposed project area between Figueroa Street and Cypress Avenue, that produced a suite of fossil bony fish including hatchetfish, *Argyropelecus bullockii*, bristlemouth, *Cyclothone*, herring, *Etringus*, rockfish, *Scorpaenidae*, extinct deep-sea

fish, *Chauliodus*, slickheads, Alepocephalidae, cod, *Eclipes*, and croaker, *Lompoquia*, and locality LACM 7507, further south of the proposed project area between the Los Angeles River and the Golden State Freeway (I-5) south of the Pasadena Freeway (I-110), that produced a specimen of the fossil snake mackerel, *Thyrsocles kriegeri*. Two very important nearby localities from the Puente Formation are LACM 4967, in Elysian Park south-southwest of the proposed project area, that produced the holotype (name bearing specimen of a species new to Science) of the fossil herring *Clupea tiejei* (L. R. David, 1943. Geological Society of America Special Paper, 43:92) and LACM 3882, south-southeast of the proposed project area in the hills of Lincoln Heights, that produced the holotype of the fossil cetotheriid baleen whale *Mixocetus elysius* (R. Kellogg, 1934. Carnegie Institution of Washington Publication, 447(3):86), one of the most complete fossil whale skulls known from California.

Any excavations in the Puente Formation exposures in the proposed project area may well encounter significant vertebrate fossil remains. Any substantial excavations in the proposed project area, therefore, should be monitored closely to quickly and professionally recover any fossil remains discovered while not impeding development. Sediment samples should also be collected from the finer-grained deposits in the proposed project area and processed to determine their small fossil potential. 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".

Samuel A. McLeod, Ph.D.  
Vertebrate Paleontology

enclosure: invoice