

**Appendix E:
Paleontological Resources Analysis Supporting Information**

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August 18, 2020

Dana DePietro
FirstCarbon Solutions
1350 Treat Boulevard, Suite 380
Walnut Creek, CA 94597

Re: Paleontological Records Search: Electronic Billboard Ordinance Amendment Project (1719.0008), City of Gilroy, Santa Clara County

Dear Dr. DePietro:

As per your request, I have performed a records search on the University of California Museum of Paleontology (UCMP) database for the Electronic Billboard Ordinance Amendment project at 9130 Kern Avenue in Gilroy. The Public Land Survey (PLS) location of this project site is E½, NW¼, Sec. 8, T11S, R4E, Chittenden quadrangle (USGS 7.5-series topographic map). The applicant proposes to construct one double-sided electronic billboard in the northwestern corner of an irregularly shaped parcel located at the 6400 block of Automall Parkway. The proposed billboard structure would be 60 feet in height and V-shaped with north- and south-facing light-emitting diode (LED) displays that would be visible to vehicles traveling on US 101. The billboard frames would be 14 feet high and 48 feet wide with displays mounted on a supporting column that would be approximately 51 feet tall. Google Earth imagery shows this entire site has been subjected industrial development. Its natural surface is completely obscured by buildings and paving.

Geologic Units

According to the adjoined parts of the geologic maps for the Gilroy quadrangle (Dibblee and Minch, 2005) and the Chittenden quadrangle (Dibblee and Minch, 2006) shown here, the entire project site (yellow outline at center) and its surrounding half-mile search area (dashed black outline) are located on an extensive deposit Holocene alluvium (Qa), which is too young to have any paleontological potential and therefore has no paleontological sensitivity. No older units are mapped in the vicinity; hence, it is highly unlikely that any are present in the shallow subsurface of the project site.



Paleontological Records Search

The records search was performed on the UCMP database and focused on the Gilroy and Crittenden quadrangles. It revealed only four U.S. Geological Survey invertebrate localities in the Gilroy quadrangle, one in the hills east of Gilroy and three in the hills west of Gilroy. No significant paleontological resources have been recorded from the Gilroy quadrangle.

Remarks and Recommendations

No further paleontological mitigation measures are recommended because the proposed project site is mapped as Holocene alluvium and there no older units in its immediate vicinity that are likely to be impacted in the site's subsurface by project-related earth-disturbing construction activities. This project therefore appears to have no potential of impacting any significant paleontological resources. In accordance with CEQA guidelines, this report completes the paleontological mitigation for this project.

Sincerely

A handwritten signature in black ink that reads "Ken Finger". The signature is written in a cursive, flowing style.

References Cited

- Dibblee, T.W., and Minch, J.A., 2005. Geologic map of the Gilroy quadrangle, Santa Clara County, California. Dibblee Geological Foundation, Dibblee Foundation Map DF-169, scale 1:24,000.
- Dibblee, T.W., and Minch, J.A., 2006. Geologic map of the Chittenden quadrangle, Santa Clara, Santa Cruz, San Benito counties, California, scale 1:24,000.