



SAN DIEGO NATURAL HISTORY MUSEUM

BALBOA PARK - SAN DIEGO SOCIETY OF NATURAL HISTORY - ESTABLISHED 1874

16 November 2015

Karolina Chmiel
ICF International
525 B St. Suite 1700
San Diego CA 92101

RE: Paleontological Record Search for the Carmax National City Project (Project No 00265.15)

Dear Ms. Chmiel:

This letter presents the results of a paleontological record search conducted for the Carmax National City Project (Project No. 00265.15), located in the southeastern corner of the Junction of Interstate 805 and State Route 54, in National City. The project site is bounded to the north by State Route 54, to the east by Sweetwater Road, and to the south by Plaza Bonita Road. The project area occupies approximately 15 acres, with an approximate perimeter of 1 mile. Published geological reports (Kennedy and Tan, 2005) reveal that the proposed project site is predominantly underlain by Holocene-age (less than 10,000 years old) young alluvial floodplain deposits, with small areas underlain by late Pleistocene-age (approximately 80,000 to 220,000 years old) old paralic deposits, unit 6, and the Pliocene-age (approximately 1.5 to 3 million years old) San Diego Formation.

Site records housed in the Department of Paleontology at the San Diego Natural History Museum document one fossil collecting locality within a half-mile radius of the project site. This locality was discovered in offshore marine deposits of the San Diego Formation. Recovered fossils include internal and external molds of marine invertebrates (e.g., snails, bivalves, and tusk shells).

Deméré and Walsh (1993) have assigned a low paleontological resource sensitivity rating to the young alluvial floodplain deposits that underlie the majority of the project area. Any biological remains found in these deposits are likely to be modern to sub-fossil. In contrast, both the old paralic deposits, unit 6, and the San Diego Formation are assigned a high paleontological sensitivity (Deméré and Walsh, 1993). It is suggested that any proposed ground-disturbing activities that extend into previously undisturbed deposits of the old paralic deposits, unit 6, or the San Diego Formation have the potential to cause impacts to paleontological resources preserved in these deposits. For the reasons described above, implementation of a complete paleontological mitigation program during excavation is recommended in the areas identified as having a high paleontological resource sensitivity.

The information contained within this paleontological record search should be considered private and is the sole property of the San Diego Natural History Museum. Any use or reprocessing of information contained within this document beyond the scope of the Carmax National City Project (Project No 00265.15) is prohibited.

If you have any questions concerning these findings please feel free to contact me at 619-255-0320 or nanderson@sdnhm.org.

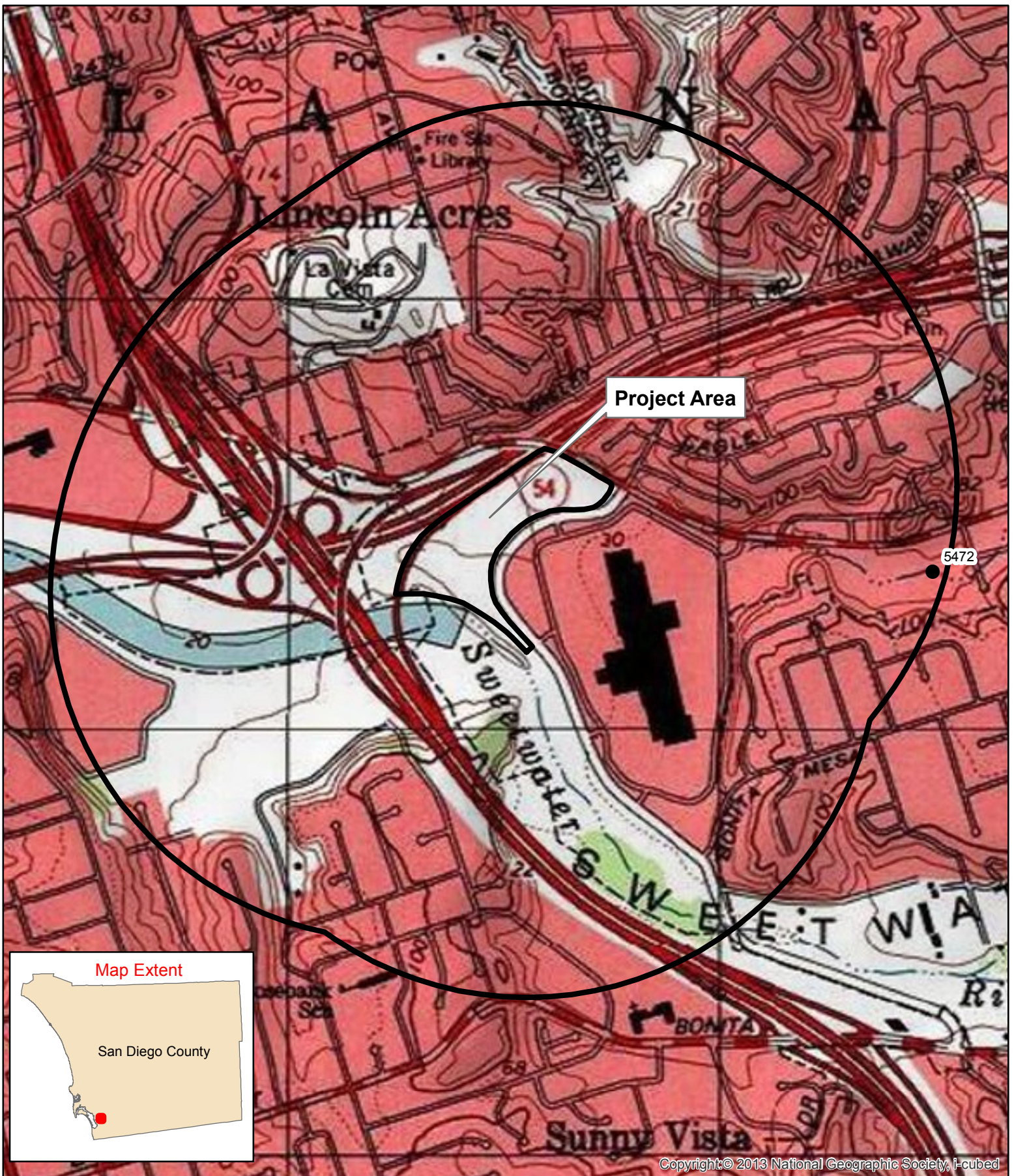
Sincerely,

A handwritten signature in black ink, appearing to read "Nikki Anderson", written over a light gray rectangular background.

Nikki Anderson
Lead Fossil Preparator
Department of PaleoServices

Literature Cited:

- Deméré, T.A. and Walsh, S.L. 1993. Paleontological Resources, County of San Diego. Prepared for the San Diego Planning Commission: 1-68.
- Kennedy, M.P. and S.S. Tan, 2005, Geologic map of the San Diego 30' x 60' Quadrangle, California: California Geological Survey, Regional Geologic Map No. 3, scale 1:100,000.



SDNHM fossil localities within a half-mile of the Carmax National City Project (Base map USGS Topographic Map of the National City 7.5' Quadrangle, California).



DATE 11/16/15
TIME 12:55:13

SAN DIEGO NATURAL HISTORY MUSEUM
DEPARTMENT OF PALEONTOLOGY
LOCALITY LIST

PAL120

NUMBER	---LOCALITY NAME AND GEOGRAPHIC LOCATION---	-----ROCK AND TIME UNITS-ROCK TYPE-FIELD NOTES-----	-----COLLECTORS-COMPILED BY-ENTERED BY-DONOR-----
5472	Bonita Creek Housing Development National City San Diego Co. CA U.S.A. 32°39'28"N--117° 3'28"W National City, CA 1:24000 USGS 1967(1975)	San Diego Formation Cenozoic Neogene Pliocene sdst-marine, offshore	George L. Kennedy 6 May 2004 G.L. Kennedy 21 Oct 2004 M.K. Soetaert 25 Oct 2004