

Cleveland Biological, LLC

Cindy Cleveland
Principal Biologist
cindycleve@gmail.com
805.234.3759

Memorandum

Date: 7.19.2021
To: Lori Newdoll
Organization: Hill Street Terraces
From: Cindy Cleveland
Email: cindycleve@gmail.com
Cc:
Re: Biological Survey Results for Hill Street Terraces, Nipomo

Lori Newdoll via Mark Vasquez contacted Cleveland Biological, LLC to perform biological surveys for a property known as the Hill Street Terraces, Hill Street and Blume Street, Nipomo, California (proposed project site). Cleveland Biological, LLC completed biological surveys per requirements that were emailed to Mark Vasquez on June 23, 2021 from the County of San Luis Obispo with language requiring a *preliminary Biological Report for Legless lizard and Monardella (plant and animal)*.

Biological surveys at Hill Street and Blume Street were completed from July 12-17, 2021 after contacting residences for permission to enter the proposed project site. County of San Luis Obispo qualified biologist Cindy Cleveland completed the biological surveys with assistance from Paul Cleveland, Biologist, and Steve Junak, *Research Associate and Botany Instructor, Santa Barbara Botanic Garden*. Background information for the biological surveys was obtained from the California Natural Diversity Database (CNDDDB) and the National Cooperative Soil Survey.

No *Monardella undulata ssp. undulata* was found on the proposed site. *Monardella undulata ssp. undulata* was surveyed during the correct flowering time from May - September. *Monardella* is a rare species of flowering plant which occurs on coastal dunes and coastal scrub with sandy soils in San Luis Obispo and Santa Barbara Counties, typically on the coastline. The CNDDDB references a finding of the flower in 1979 in the vicinity of the project site (Figure 1). The habitat at the proposed project site for *Monardella* was fair, but the suitability of the site has been degraded by the presence of Veldt grass (*Ehrharta calycina*) and habitat fragmentation. The project site is located too far inland to provide prime habitat.

The California legless lizard (*Anniella pulchra*) was observed at the proposed project site (Figure 2). The proposed project site has good quality habitat for legless lizards. Legless lizards occur in sandy, loose soils, typically in the top three inches of sand. The specimen was found by raking loose grasses in sandy soil under a native elderberry tree (Figures 3 & 4). Soil temperatures were 76-78 °F and soil moisture was 0 %. The CNDDDB references a finding of a legless lizard in 1983 approximately 0.75 miles to the west from the proposed project site (Figure 1).

As a result of finding the California legless lizard, it is recommended that pre-construction surveys are conducted prior to excavation/grading. In addition, a biological monitor should be present during grading activities to capture and remove legless lizards to a safe location.

I trust the above information is sufficient for your reporting requirements at this time. Please let me know if you have any questions. Thank you for the opportunity to assist you with this project.

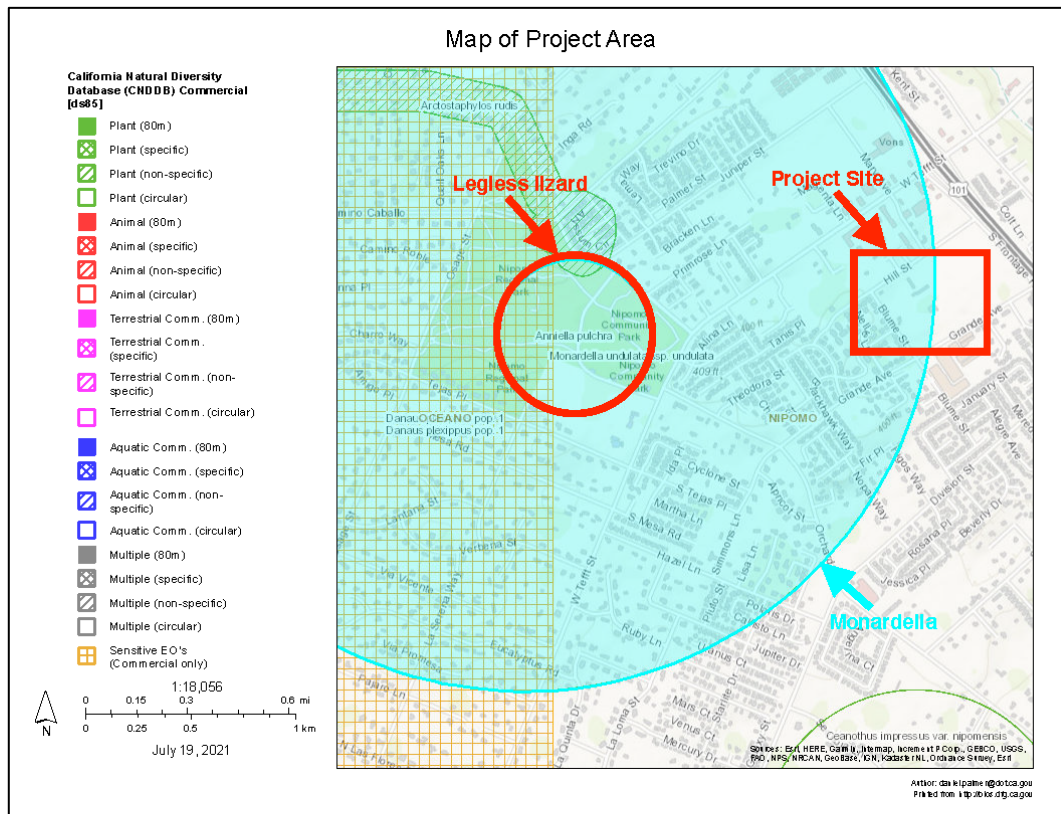


Figure 1: CNDDDB map of the project site with recorded listings of Legless lizard and *Monardella undulata* ssp. *undulata*.



Figure 2: The California legless lizard (*Anniella pulchra*) was observed at the proposed project site.

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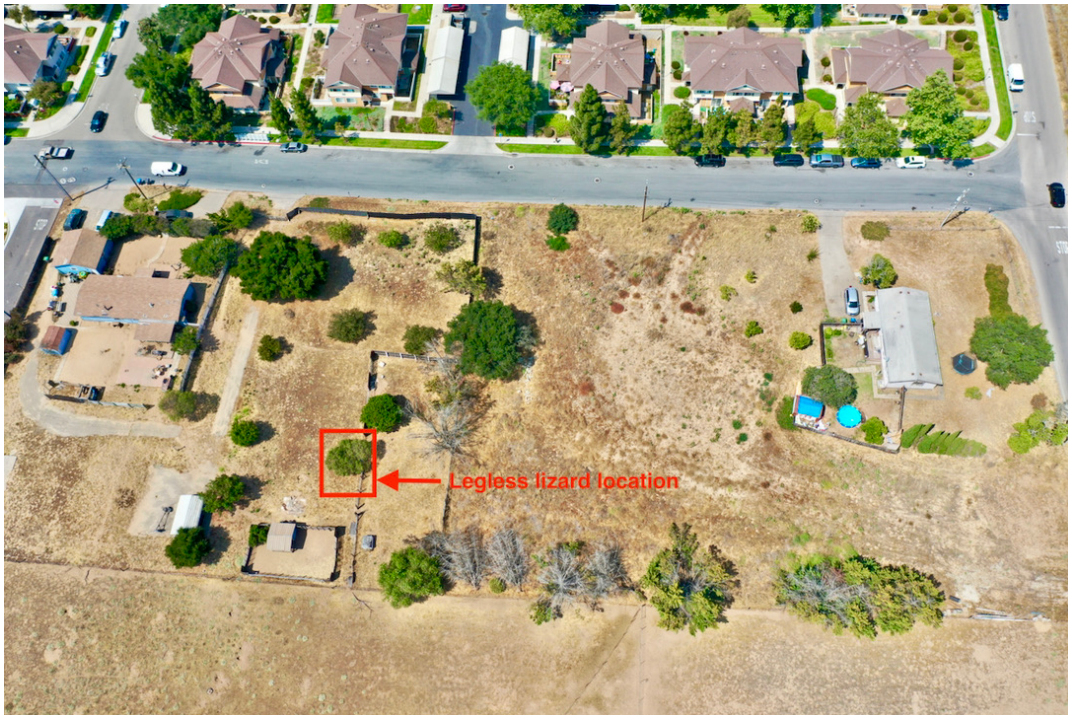


Figure 3: Overview of Hill Street Terrace site with location of legless lizard.



Figure 4: Location of observed legless lizard under an Elderberry tree.

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