PRELIMINARY PALEONTOLOGICAL SURVEY
FOR TENTATIVE TRACT 36567
LAKE ELSINORE,
RIVERSIDE COUNTY, CALIFORNIA.

Prepared for:

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INTRODUCTION

In accordance with the request of Erik Lunde of South Shore II, LLC, JMA performed a Preliminary Paleontological Survey of Tentative Tract No. 36567, Lake Elsinore, Riverside County, California. (Figure 1).

This survey was performed to determine if the development plan for the site will have any significant adverse impact on the paleontological resources of the area and appropriate mitigation measures (if any) to minimize adverse impacts.

METHODOLOGY

The following was included in the investigation:

1. Walkover and inspection of exposures and slopes of each geologic unit mapped on the site.

2. Review of the geologic literature pertinent to the geologic units and fossils including paleontological localities.

3. Review of records search for unpublished paleontological localities.

4. Review of available EIR reports deemed pertinent to the site development.

DESCRIPTION OF THE SITE

The site is situated in the rolling hills north of the Elsinore Trough north of Elsinore, Riverside County, California. The site consists of moderately rolling hills. Several small stream drainages cross the site. The site is bordered on the west by the Spyglass Ranch Development Project and by undeveloped land to the north, east, and south. Dirt roads provide access to the site and the underlying geologic units. The site is largely covered by natural vegetation on the hill slopes.

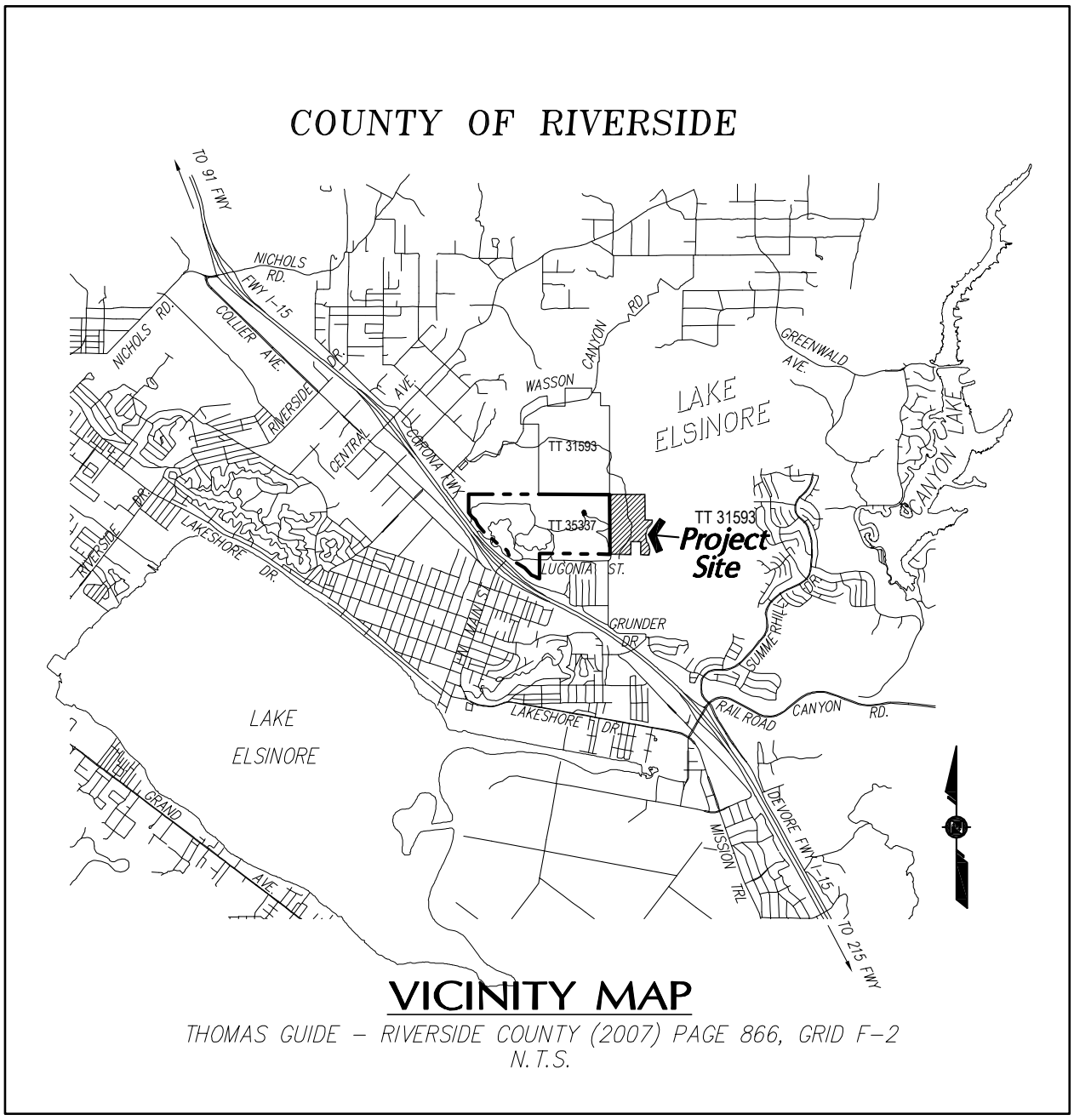


Figure 1 – Location Map

FIELD RECONNAISSANCE

A reconnaissance walk over survey of the site was conducted by a field crew in June 2013. The walkover and inspection of exposures on the site did not result in the discovery of any fossils on the site.

GEOLOGIC SETTING

As delineated on the Geologic Map of the Elsinore, 1:24,000 scale, 7.5 Minute Quadrangle, Riverside County, California (Morton and Weber, 2003) the property is underlain by metasedimentary and granitic rocks which are part of the granitic/metamorphic basement complex of the Peninsular Ranges. A small patch of sedimentary rocks on the site is mapped as Qog.

The granitic rocks consist of hornblende gabbro and granodiorite. The metasedimentary rocks consist of mostly slate and phyllite that were recrystallized and deformed by the intrusion of the granitic rocks. They are Paleozoic to Mesozoic in age. (Figure 2)

PALEONTOLOGIC SIGNIFICANCE OF GEOLOGIC UNITS

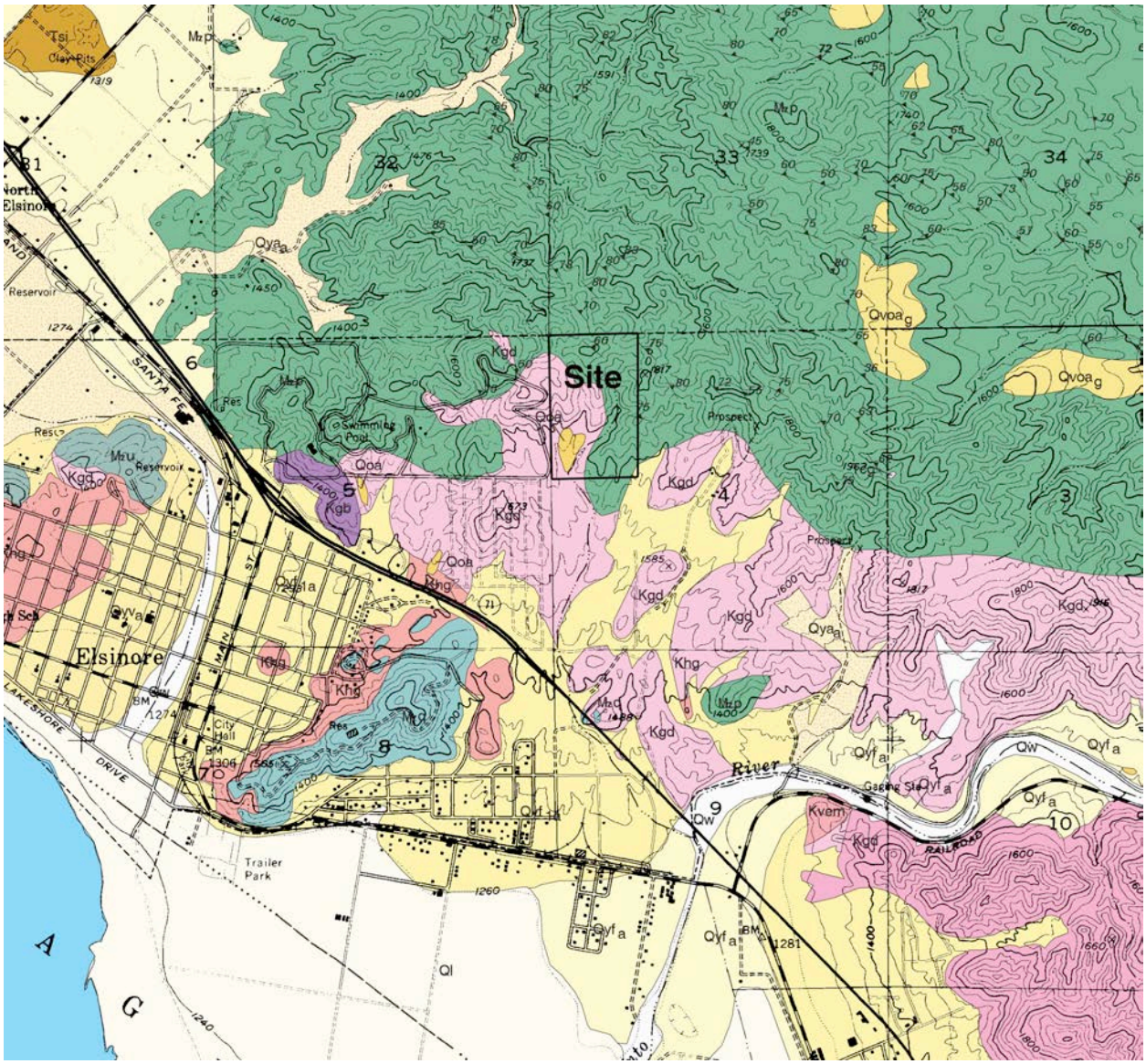
The metasedimentary and granitic rocks are, by their nature, non-fossiliferous. None of these rocks have the potential to contain paleontological resources. They are assigned a low to no paleontological sensitivity. The Colluvial deposits on the site are too young geologically to contain significant fossils. They are assigned a low paleontological sensitivity.

FOSSILS ON THE SITE

No published fossil localities are known to exist on the site. No fossil remains were encountered on the site during this survey.

SIGNIFICANCE OF FOSSILS ON THE SITE

No fossils were encountered on the site.



Site geologic units:

Qoa = Older Alluvium, **Kgd** = Cretaceous granodiorite, **Mzp** = Metasedimentary slate and phyllite

Figure 2 – Geologic Map

POTENTIAL ENVIRONMENTAL IMPACTS

The Older Quaternary Alluvium and Older Terrace Deposits are considered to have a low potential for the discovery of significant fossils.

The metasedimentary and granitic rocks are considered to have no potential for the discovery of significant fossils.

MITIGATION RECOMMENDATIONS

No further paleontological mitigation measures are needed as there is a low to no potential for paleontological resources on the site.

REFERENCES

Morton, D,M. and Weber, FH, 2003 Perliminary Digital Geologic Map of the Elsinore 7.5' Quadrangle, Riverside County, USGS Open-File Report 03-281

Rogers, T.H. 1965, Geologic map of California, Santa Ana sheet, scale 1:250,000, Calif. Div. Mines and Geol. Regional Geologic Map Series.