

Arborist Survey Report

Z Global - 603 Sutter Street

Folsom, California

Prepared For:

Z Global

March 12, 2019



ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

ECORP Consulting, Inc. has assisted public and private land owners with environmental regulation compliance since 1987. We offer full service capability, from initial baseline environmental studies through environmental planning review, permitting negotiation, liaison to obtain legal agreements, mitigation design, and monitoring and compliance reporting.

Citation: ECORP Consulting, Inc. 2019. Arborist Survey Report Z Global – 603 Sutter Street. Prepared for Z Global. Rocklin, California. March..

CONTENTS

1.0	INTRODUCTION	1
2.0	SITE DESCRIPTION	1
2.1	Methods.....	2
3.0	RESULTS.....	2
4.0	CONCLUSIONS.....	4
5.0	REFERENCES.....	5

LIST OF FIGURES

Figure 1. Project Location and Vicinity.....	3
--	---

LIST OF TABLES

Table 1. ASCA Tree Rating System.....	2
---------------------------------------	---

LIST OF ATTACHMENTS

Attachment A – Tree Inventory for 603 Sutter Street
Attachment B – Tree Survey Data (February 26, 2019)
Attachment C – Representative Site Photographs

1.0 INTRODUCTION

On behalf of Z Global, Inc., ECORP Consulting, Inc. conducted an arborist survey for the 603 Sutter Street (Project) site, located in the City of Folsom, Sacramento County, California. The purpose of this survey was to identify, map, and assess the general condition of trees within the Project site according to the Folsom Tree Preservation Ordinance (Chapter 12.16).

The following are definitions from the Folsom Tree Preservation Ordinance that guide the methodology and data collection for this survey effort:

- **Tree:** A woody perennial plant with a trunk over six inches (diameter at breast height; DBH) or a multitrunked plant having an aggregate diameter of 20 inches (DBH) or more.
- **Master Tree List:** A list prepared by the planning director.
- **Tree Maintenance Strip:** A strip of land parallel and adjacent to a public street thereto and which is 12.5 feet wide, measured from the property line. (Ord. 851 § 2(1), 1996)
- **Native Oak Tree:** Any tree over six inches (DBH) of the genus *Quercus* and species *lobata* (valley oak), *dougllassii* (blue oak), *wislizenii* (interior live oak), or hybrids, thereof; or multitrunked native oak tree having an aggregate diameter of 20 inches (DBH) or more.
- **Heritage Tree:** A native oak tree over 19 inches DBH or a multitrunked native oak having an aggregate diameter of 38 inches or more DBH.
- **Street Tree:** Any tree growing within the tree maintenance strip and contained on the master tree list.
- **Landmark Tree:** A tree or group of trees determined by the city council to be a significant community benefit.
- **Protected Tree:** Native oak trees, heritage trees, street trees, and landmark trees.
- **Protected Zone:** An irregular circle around a protected tree, equal to the protected tree's dripline plus one foot.

2.0 SITE DESCRIPTION

The Project site is located in the City of Folsom, Sacramento County, California at the intersection of Sutter Street and Scott Street (Figure 1. *Project Location and Vicinity*). The ±0.171-acre Project site corresponds to a portion of Section 25, Township 10 North, Range 07 East (Mount Diablo Base Meridian) of the "Folsom, California" 7.5-minute quadrangle (U.S. Geological Survey [USGS] 1980). The approximate center of the site is located at 38.678237° North and -121.175185° West within the Lower American Watershed (Hydrologic Unit Code #18020111, USGS 2019).

The Project site is located within a relatively flat ruderal urban lot situated at an elevation of approximately 250 feet above mean sea level in the Sacramento Valley Subregion of the Great Central Valley floristic region of California (Baldwin et al. 2012). The vegetation community present onsite is a mix of ruderal

grassland, mainly consisting of nonnative annual grasses, and woodland that is a mixture of native and horticultural trees. The surrounding land uses are primarily commercial and residential.

2.1 Methods

ECORP arborist Ben Waitman (ISA Certification #WE-12108) conducted the field survey on February 26, 2019. During the field survey, the entire lot was walked, and data were recorded using ArcGIS Collector on an iPad paired with an Arrow Global Positioning System unit accurate to less than one meter.

Data collected included species, tree tag number, diameter at breast height (DBH), dripline radius, structure, and condition. The survey results are intended for general Project planning purposes only; therefore, these results should not be considered a detailed tree analysis (i.e., results do not include hazard assessment, tree health diagnosis, preservation/removal recommendations, or pruning advisement). The following terms define the collected data:

- **DBH:** Trunk diameter at 4.5 feet above grade. Occasional deviations from this height were required for trees with branching at this level or with unusual structural configurations (e.g., horizontal trunks). On multi-trunked trees (trees with multiple vertical trunks in contact at or near ground level), the report lists total aggregate diameter along with the total number of trunks that were measured.
- **Dripline Radius:** The maximum distance from trunk to the edge of the canopy.
- **Condition:** An estimate of the tree's overall health. This includes evaluation of foliage, evidence of wound healing, evidence of fungal attack, density of insect galls, and the amount and condition of attached deadwood. Each tree's condition was rated according to the American Society of Consulting Arborists (ASCA) rating system (Table 1).

Table 1. ASCA Tree Rating System		
Rating	Rating Number	Rating Description
Excellent	5	No problem(s)
Good	4	No apparent problem(s)
Fair	3	Minor problem(s)
Poor	2	Major problem(s)
Hazardous or non-correctable	1	Extreme problem(s)
Dead	0	Dead

3.0 RESULTS

Sixteen oak trees were inventoried within the parcel boundary. One additional oak tree was inventoried outside of the parcel boundary but within the lot. A map depicting the locations of the inventoried trees is included as Attachment A. Detailed tree survey data for each tree are included as Attachment B. Representative site photographs are included as Attachment C.

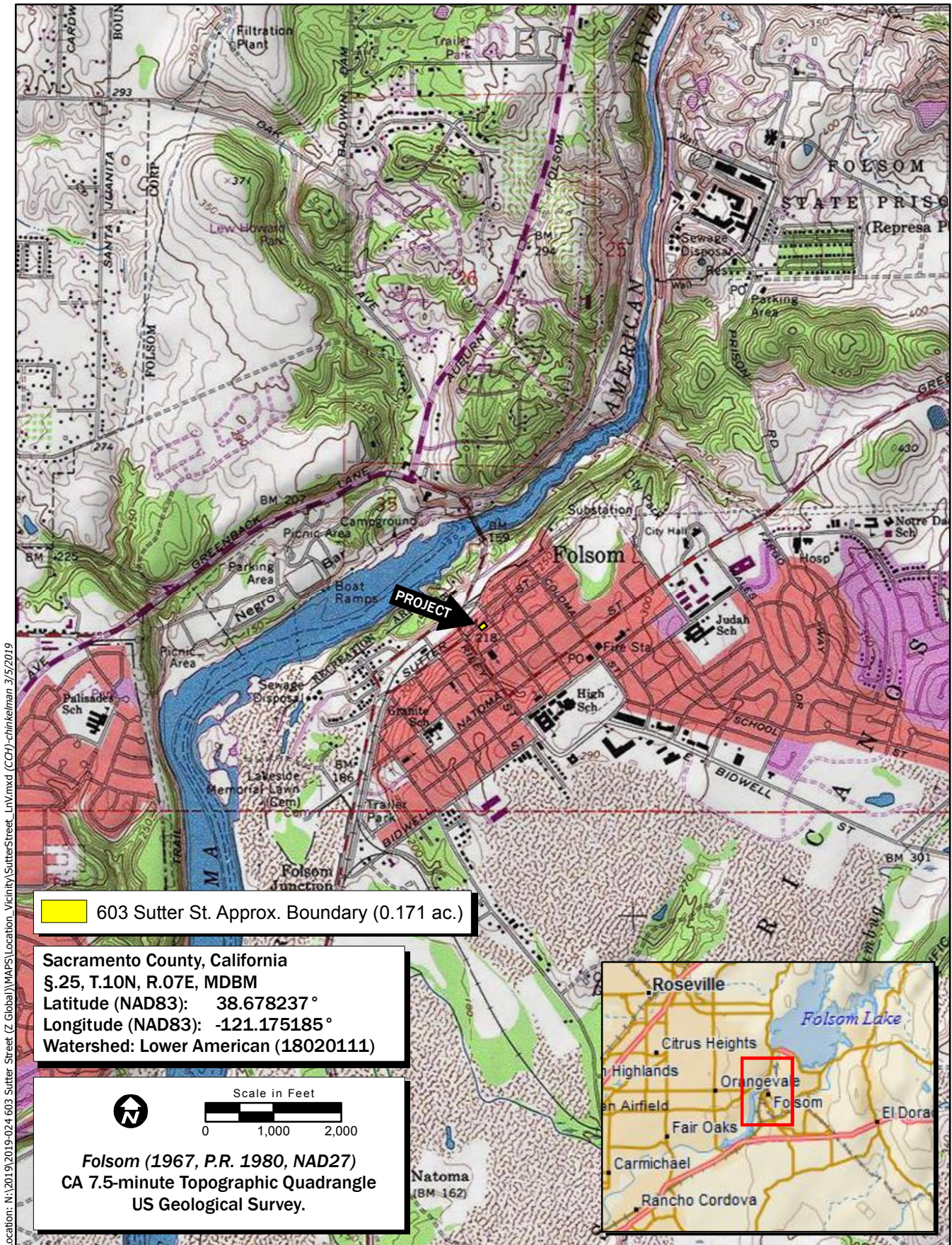


Figure 1. Project Location and Vicinity

2019-024 603 Sutter Street (Z Global)

Within the parcel boundary there are 16 native oak trees representing three species: eight valley oaks, five blue oaks, and three interior live oaks. Additionally, there are four horticultural trees within the parcel boundary, which are all species of *Prunus*.

Outside of the parcel boundary there is one valley oak and one horticultural camphor tree.

4.0 CONCLUSIONS

The parcel boundary and lot contain 17 native oak trees. Sixteen of the native oak trees meet the definition of “Protected Trees” under the Folsom Tree Preservation Ordinance. One oak tree (tree tag #919) does not meet the definition of “Protected Tree” because its DBH is less than six inches.

Impacts to any of these trees will require the preparation and implementation of a tree mitigation and preservation plan. Mitigation may be required if any protected trees are removed.

5.0 REFERENCES

Baldwin, B.G; D.H. Goldman; D.J. Keil; R. Patterson; and T.J. Rosatti, editors. 2012. The Jepson Manual: Vascular Plants of California, Second Edition. University of California Press, Berkeley.

USGS. 1980. "Folsom" 7.5-minute Topographic Quadrangle. Geological Survey. Denver, Colorado.

LIST OF ATTACHMENTS

Attachment A – Tree Inventory for 603 Sutter Street

Attachment B – Tree Survey Data (February 26, 2019)

Attachment C – Representative Site Photographs

ATTACHMENT A

Tree Inventory for 603 Sutter Street

Location: N:\2019\2019-024 603 Sutter Street (Z Global)\MAPS\Biological_Resources\SutterStreet_Arboris_20190228.mxd (CCH)-chinkelman 3/6/2019






Attachment A - Tree Inventory for 603 Sutter Street

Map Features

 603 Sutter Street Parcel (0.171 acres)

Tree Species

-  Blue Oak
-  Live Oak
-  Valley Oak

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community



ATTACHMENT B

Tree Survey Data (February 26, 2019)

Attachment B -
Tree Survey Data (February 26, 2019)
for 603 Sutter Street

Tree #	Native/Non-native	Common Name	Species Name	DBH (inches)	# of Stems	Dripline (feet)	Condition
904	Native	Blue Oak	<i>Quercus douglassii</i>	9.5	0	15	3
905	Native	Interior Live Oak	<i>Quercus wislizenii</i>	9.5	2	23	3
906	Native	Blue Oak	<i>Quercus douglassii</i>	9	0	15	3
908	Native	Interior Live Oak	<i>Quercus wislizenii</i>	11	2	18	3
909	Native	Blue Oak	<i>Quercus douglassii</i>	12	0	24	3
912	Native	Blue Oak	<i>Quercus douglassii</i>	8	0	23	3
915	Native	Valley Oak	<i>Quercus lobata</i>	13	0	35	3
917	Native	Valley Oak	<i>Quercus lobata</i>	14.5	0	18	3
918	Native	Valley Oak	<i>Quercus lobata</i>	16.5	0	20	3
919	Native	Valley Oak	<i>Quercus lobata</i>	5.5	0	10	3
920	Native	Valley Oak	<i>Quercus lobata</i>	6.5	2	18	4
921	Native	Valley Oak	<i>Quercus lobata</i>	18	1	22	4
23772	Native	Interior Live Oak	<i>Quercus wislizenii</i>	5.5	2	9	3
23774	Native	Valley Oak	<i>Quercus lobata</i>	16	0	28	4
23775	Native	Valley Oak	<i>Quercus lobata</i>	10.5	0	25	4
23776	Native	Blue Oak	<i>Quercus douglassii</i>	12.5	2	16	3
23777	Native	Valley Oak	<i>Quercus lobata</i>	11	0	25	3

ATTACHMENT C

Representative Site Photographs



View east. Photo taken February 26, 2019.



View southeast. Photo taken February 26, 2019.