Placer County Retirement Residence

Tree Risk Assessment Report

Placer County, CA

Prepared for:

Kimley-Horn

Prepared By:

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Introduction

On 1 February, 2018, Up A Tree Arborist Services conducted a tree survey for Kimley-Horn on a property located on the northwest corner of the intersection of Sierra College Blvd. and Old Auburn Road. This survey was a follow up to an arborist survey conducted by ECORP Consulting, Inc. (ECORP) in March, 2017. While that survey collected all the basic data required by the County of Placer Tree Preservation Code, the purpose of this survey was to assess the risk of each tree that is to be preserved.

I. Methodology

Bryan Hill of Up A Tree Arborist Services assessed all the native trees for risk that are listed in the ECORP arborist report. Non-native trees slated for removal were not assessed since their removal does not require mitigation. He is an International Society of Arboriculture (ISA) Certified Arborist (#WE-5382A) and is Tree Risk Assessment Qualified (TRAQ). This tree survey was completed using the ISA Level 2 - Basic Assessment method. This is the standard assessment and consists of the arborist conducting a detailed visual inspection of each tree. The trees were observed from all sides (when possible) and all parts above the ground were considered for potential to fail. No tools or instruments were used for the assessments.

The following list details the data collected on each tree surveyed within the project area:

1. Tree # - All trees had been identified by ECORP with a numbered metal tag that is nailed to the tree. Some tags appeared to predate ECORPs survey.
2. Tree name - All trees were identified by both their scientific and common names.
3. Condition of Structure - Tree structure describes the physical form of the tree in regards to its potential to fail. Tree structure, from the ground up, includes the roots, trunk, scaffold limbs, and branches of the tree. Three categories are awarded for rating the structure of trees: good, fair, and poor. A good rating for structure

indicates the tree is well proportioned and very unlikely to have any part fail, such as have a branch or scaffold limb tear off or have the whole tree up-root from the ground. A poor rating would indicate the tree has potential to have a partial or whole tree failure. Most trees fall in the fair category. The rating of large trees for hazard potential is often proportionally related to the tree structure rating. Tree structure ratings can often be improved with mitigation, such as structure pruning and end-weight reduction of over-burdened limbs.

4. Condition of Health - Tree health describes how vigorous the tree appears. Three categories are used to rate tree health: good, fair, and poor. A tree with good health would have full foliage for its species and no dead limbs or twigs. A tree with poor health is mostly dead or dying. It is often difficult to improve a tree's health rating through mitigation. Usually multiple factors contribute to an unhealthy tree's condition and trees often show no signs of what is stressing them.
5. Risk Assessment Data and Categorization – There are four qualifications that are used to derive the risk categorization. They are likelihood of failure, likelihood of impacting a target, likelihood of failure and impacting a target, and consequences of failure. The risk assessment time frame is good for one year. Each qualification is defined below:
    (1) Likelihood of Failure – Classified based on an evaluation of defects and structural conditions of the tree or its parts, expected loads, site conditions and weather. There are four categories:
        (a) Improbable – The tree or branch is not likely to fail during normal weather conditions and may not fail in many severe weather conditions within one year.
        (b) Possible – Failure could occur, but it is unlikely during normal weather conditions within one year.

(c) Probable – Failure may be expected under normal weather conditions within one year.

(d) Imminent – Failure has started or is most likely to occur in the near future, even if there is no significant wind or increased load.

(2) Likelihood of Impacting a Target – This second factor considers the likelihood of the failed part impacting a target. Targets are anything of value, such as people, vehicles, structures, fences, etc. This considers the occupancy rates of targets that are within the area of the failed tree part. There four categories used:

(a) Very Low – The likelihood of a failed tree part impacting a target is remote (e.g. a tree limb would fall in an area not typically inhabited by any targets).

(b) Low – It is not likely that the failed tree or part will impact the target (e.g. part would fail over a little used service road or hiking trail).

(c) Medium – The failed tree or part is as likely to impact the target as not (e.g. a tree along a suburban street or a structure that may be partially protected by another tree).

(d) High – The failed tree or part will most likely impact the target (e.g. a fixed target is fully exposed to the failure, or a road or walkway have frequent occupancy).

(3) Likelihood of Failure and Impact – Using the qualification of the likelihood of failure and the likelihood of impacting a target, the third categorization of the likelihood of failure and impacting a target can be derived using the Matrix I table found in the ISA Tree Risk Assessment Manual. The combinations that can result are one of the four following terms:

(a) Unlikely

(b) Somewhat Likely

(c) Likely

(d) Very Likely

(4) Consequences of Failure – The consequences of tree failure and impact are categorized by the value of the target and harm that may be done to it. There are four categories:

(a) Negligible – The failure would cause low-value property damage.

(b) Minor – The consequences cause low to moderate property damage, small disruptions to traffic or a utility, or very minor personal injury.

(c) Significant – The consequences would property damage of moderate to high value, considerable disruption, or personal injury.

(d) Severe – The consequences are those that could involve serious personal injury or death, damage to high-value property, or disruption of important activities.

(5) Risk Rating – Using the Risk Matrix 2 table in the ISA Tree Risk Assessment Manual, the ratings of likelihood and consequence factors are combined to determine a rating of risk. There are four categories awarded as follows:

(a) Low – Mitigation or maintenance measures may be appropriate for some trees, but the priority for action is low.

(b) Moderate – These trees receive recommendations for mitigation and/or should be monitored. In a population of trees, these trees are a lower priority that high or extreme risk trees.

(c) High – Trees in this risk category are recommended to have mitigation measures taken. The priority for these trees is only second to extreme risk rated trees.

(d) Extreme – Trees in which a failure is imminent with a high likeihood of striking a target that would result in severe consequences will receive this

risk rating. Recommended mitigation measures should be taken as soon as possible. Immediate restriction to the target zone surrounding the tree may be necessary to avoid injury to people.

(6) Pertinent Notes – Any significant observations regarding the tree or mitigation recommendations are added in the last column.

II. Results

Risk is a rating derived from estimating the potential for a tree to fail and then hit a target and the amount of damage that the target would sustain.

There are a total of 167 trees inventoried on this property. Of the 136 trees that are designated to be protected there are 135 evaluated to be low risk. One interior live oak (#1874) was assigned a moderate risk because it is in the process of failing. The tree has extensive sun-scalding on the west side of its trunk and that has led to the two main scaffold limbs to start separating. The only target present at the time of this survey was the barbed wire fence. This tree should be removed before a new fence is installed.

There were no trees rated as having high or extreme risk. That most of the trees are rated as low risk in no way suggests that there are not trees that will experience partial or complete failure. There is just a low probability that any of these trees will hit a target.

Many of the low risk trees will need structure pruning to remain low risk as they grow larger. The recommended pruning is typically limb end weight reduction pruning. By removing some weight and length at the ends of the longer limbs, the leverage that can cause a limb to fail is significantly reduced. Trees that can benefit from that treatment now have had it identified in

the pertinent notes on the data table. Trees that have included bark within the intersection of main scaffold limbs may keep a low risk rating if structural pruning that subordinates one of the competing leaders is performed. Subordination pruning involves reducing one of the competing leaders by approximately 25% or more using reduction pruning cuts. This would benefit the pair of valley oaks (#106, 107) that will border the new development on the east side. Both of these trees are unlikely to fail at this time, but will gradually become more likely to fail if left untreated.

There are 31 trees slated for removal. The two trees labeled as California sycamores (#7, 8) in the ECORP report are London planes, which are non-native and should have there mitigation inches removed. So there are 5 non-native trees and 26 native trees. Of the native trees, 21 have poor structure due to one or more of the following defects: cavities, poor stem attachments, excessive leaning trunks, branch failures, etc. The removal of these trees would be warranted in most cases for safety once the facility is built, so It is recommended that no mitigation should be required for these trees.

The group of cottonwoods (#100, 102-104) located near Sierra College Blvd. should be considered for removal. These trees are relatively small for their species and currently rated at low risk. However, due to their poor strength and structure, coupled with a fast growth rate, they will become a higher liability in short time.

III. Conclusion

The condition of all trees was recorded as perceived at the time of the survey and it should be noted that trees can have dramatic changes to their current condition due to many factors, such as drought, fire, and failure due to defects not visible to the arborist. The time frame for this risk

assessment is one year. For questions regarding this survey please contact Bryan Hill, Certified Arborist WE-5382A, at (916) 718-3021 or upatreearborist@gmail.com.

Tree #	Common Name	Scientific Name	Condition of Structure	Condition of Health	Likelihood of Failure	Likelihood of Impacting Target	Likelihood of Failure and Impact	Consequences of Failure	Risk Rating	Pertinent Notes
3	White mulberry	*Morus alba*	X	X	X	X	X	X	x	Non- native tree. To be removed
5	Sweetgum	*Liquidamber styraciflua*	X	x	x	x	x	x	x	Non- native tree. To be removed
7	London plane	*Plantanus x acerifolia*	X	x	x	x	x	x	x	This tree was identifies as a native CA sycamore, but it is a non native hybrid. To be removed
8	London plane	*Plantanus x acerifolia*	X	x	x	x	x	x	x	This tree was identifies as a native CA sycamore, but it is a non native hybrid. To be removed
9	Fremonts cottonwood	*Populus femontii*	poor	poor	probable	medium	somewhat likely	significant	moderate	This tree exhibits past failures, a large cavity, and mushrooms. Recommend whole tree removal
10	Blue oak	*Quercus douglasii*	fair	fair	possible	low	unlikely	significant	low	
13	Gooddings black willow	*Salix gooddingii*	poor	poor	probable	very low	unlikely	minor	low	Tree appears half dead and has had many large limbs fail. growing limb has mushrooms growing out of it which indicates internal decay present and the limb will eventually fail.
18	Blue oak	*Quercus douglasii*	poor	fair	probable	low	unlikely	severe	low	Tree leans significantly and will most probably topple where driveway will be. Recommend whole tree removal.
19	Interior live oak	*Quercus wizlizenii*	poor	fair	probable	low	unlikely	severe	low	Main trunk completely hollow and will probably fail. Recommend whole removal
20	Blue oak	*Quercus douglasii*	poor	fair	possible	medium	unikely	severe	low	Tree has large basal wound and leans over Old Auburn Road. Recommend whole removal.
21	Fremonts cottonwood	*Populus femontii*	poor	fair	probable	low	unlikely	significant	low	Tree is at size where large limb drop is expected without mitigation. Recommend whole removal.
22	Valley oak	*Quercus lobata*	fair	fair	Improbable	very low	unlikely	negligible	low	
23	Interior live oak	*Quercus wizlizenii*	poor	poor	Improbable	very low	unlikely	negligible	low	Tree is just a large stump after numerous large failures in the past.
24	Interior live oak	*Quercus wizlizenii*	fair	fair	possible	very low	unlikely	severe	low	Tree has some longer limbs which may be able to fail, but they would fall within the riparian area. The whole tree would have to fail to hit the road, but it seems improbable.
25	Interior live oak	*Quercus wizlizenii*	poor	poor	probable	very low	unlikely	negligible	low	Tree exhibits cracks, sunburn, mushrooms, large dead limbs, and past failures, but will only continue to fail in riparian area.
26	Interior live oak	*Quercus wizlizenii*	poor	fair	Improbable	very low	unlikely	negligible	low	
27	Blue oak	*Quercus douglasii*	fair	fair	Improbable	very low	unlikely	negligible	low	Listed as a interior live oak on 2017 inventory
29	Blue oak	*Quercus douglasii*	fair	fair	Improbable	very low	unlikely	negligible	low	Listed as a interior live oak on 2017 inventory
30	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
31	Blue oak	*Quercus douglasii*	poor	fair	probable	very low	unlikely	negligible	low	Crown of tree leans completely to the east and base of tree is significantly hollow. This tree will fail someday but will only fall in the riparian area.
33	Valley oak	*Quercus lobata*	fair	fair	Improbable	very low	unlikely	negligible	low	
35	Valley oak	*Quercus lobata*	fair	fair	possible	very low	unlikely	negligible	low	
36	Interior live oak	*Quercus wizlizenii*	good	fair	Improbable	very low	unlikely	negligible	low	
40	Valley oak	*Quercus lobata*	fair	good	Improbable	very low	unlikely	negligible	low	
42	Blue oak	*Quercus lobata*	fair	fair	Improbable	very low	unlikely	negligible	low	was labeled interior live oak on survey

43	Valley oak	*Quercus lobata*	poor	fair	Improbable	very low	unlikely	negligible	low	
46	Blue oak	*Quercus douglasii*	fair	fair	Improbable	very low	unlikely	negligible	low	
48	Blue oak	*Quercus douglasii*	poor	far	Improbable	very low	unlikely	negligible	low	Bad connection between 2 main scaffold limbs.Subordination pruning required to fix structure
49	Blue oak	*Quercus douglasii*	poor	fair	possible	low	unlikely	negligible	low	Bad connection between 2 main scaffold limbs.Subordination pruning required to fix structure
63	Blue oak	*Quercus douglasii*	good	fair	Improbable	very low	unlikely	significant	low	
100	Fremonts cottonwood	*Populus femontii*	poor	fair	possible	very low	unlikely	negligible	low	tree has sprouted from stump
101	Gooddings black willow	*Salix gooddingii*	poor	poor	Improbable	very low	unlikely	negligible	low	
102	Fremonts cottonwood	*Populus femontii*	poor	fair	possible	low	unlikely	significant	low	
103	Fremonts cottonwood	*Populus femontii*	good	fair	Improbable	very low	unlikely	negligible	low	
104	Fremonts cottonwood	*Populus femontii*	poor	fair	possible	low	unlikely	significant	low	included bark between main stems. The risk of this tree will grow as the tree gets larger. Recommend removal.
105	Blue oak	*Quercus douglasii*	poor	fair	Improbable	very low	unlikely	negligible	low	
106	Valley oak	*Quercus lobata*	poor	good	possible	very low	unlikely	negligible	low	Included bark between main stems. Mitigate with subordination pruning.
107	Valley oak	*Quercus lobata*	poor	Good	possible	very low	unlikely	negligible	low	Included bark between main stems. Mitigate with subordination pruning.
108	Valley oak	*Quercus lobata*	fair	good	Improbable	very low	unlikely	negligible	low	
109	Valley oak	*Quercus lobata*	Fair	good	Improbable	very low	unlikely	negligible	low	
110	Interior live oak	*Quercus wizlizenii*	Fair	good	Improbable	very low	unlikely	negligible	low	
111	Interior live oak	*Quercus wizlizenii*	Fair	fair	Improbable	very low	unlikely	negligible	low	
112	Valley oak	*Quercus lobata*	poor	poor	Improbable	very low	unlikely	negligible	low	tree has sprouted from stump
113	Valley oak	*Quercus lobata*	fair	good	Improbable	very low	unlikely	negligible	low	
114	Valley oak	*Quercus lobata*	fair	fair	Improbable	very low	unlikely	negligible	low	
115	Interior live oak	*Quercus wizlizenii*	poor	fair	Improbable	very low	unlikely	negligible	low	Included bar present between 2 of the mainscaffold limbs. Subordinate pruning is recommended
116	Valley oak	*Quercus lobata*	fair	Far	Improbable	very low	unlikely	negligible	low	
117	Valley oak	*Quercus lobata*	fair	fair	Improbable	very low	unlikely	negligible	low	
118	Red willow	*Salix laevigata*	poor	fair	Improbable	very low	unlikely	negligible	low	Tree will eventually grow over road without pruning. If not pruned for end weight reduction the risk of this tree will increase with its size.
119	Valley oak	*Quercus lobata*	poor	good	possible	low	unlikely	significant	low	
120	Valley oak	*Quercus lobata*	poor	fair	Improbable	very low	unlikely	negligible	low	Tree has sprouted from a cut stump. Recommend whole tree removal
121	Blue oak	*Quercus douglasii*	poor	poor	Improbable	very low	unlikely	negligible	low	
122	Valley oak	*Quercus lobata*	poor	fair	Improbable	very low	unlikely	negligible	low	tree has sprouted from stump
123	Valley oak	*Quercus lobata*	poor	fair	Improbable	very low	unlikely	negligible	low	included bark
124	Blue oak	*Quercus douglasii*	poor	fair	Improbable	very low	unlikely	negligible	low	
125	Blue oak	*Quercus douglasii*	poor	fair	Improbable	very low	unlikely	negligible	low	
127	Red willow	*Salix laevigata*	poor	fair	possible	very low	unlikely	negligible	low	
128	Valley oak	*Quercus lobata*	fair	good	Improbable	very low	unlikely	negligible	low	
129	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
130	Valley oak	*Quercus lobata*	fair	good	Improbable	very low	unlikely	negligible	low	
131	Interior live oak	*Quercus wizlizenii*	poor	fair	Improbable	very low	unlikely	negligible	low	
132	Interior live oak	*Quercus wizlizenii*	fair	good	Improbable	very low	unlikely	negligible	low	
133	Valley oak	*Quercus lobata*	poor	good	possible	low	unlikely	severe	low	The risk of this tree will increase as it gets larger and hangs further over the road.
134	Interior live oak	*Quercus wizlizenii*	poor	poor	Improbable	very low	unlikely	negligible	low	Tree is sprouts off a stump
135	Valley oak	*Quercus lobata*	fair	fair	Improbable	very low	unlikely	negligible	low	

136	Blue oak	*Quercus douglasii*	poor	poor	Improbable	very low	unlikely	negligible	low	
137	Valley oak	*Quercus lobata*	fair	good	Improbable	low	unlikely	severe	low	
138	Interior live oak	*Quercus wizlizenii*	poor	fair	Improbable	very low	unlikely	negligible	low	
139	Interior live oak	*Quercus wizlizenii*	poor	fair	Improbable	low	unlikely	minor	low	
140	Interior live oak	*Quercus wizlizenii*	poor	fair	Improbable	low	unlikely	minor	low	
141	Valley oak	*Quercus lobata*	poor	fair	Improbable	very low	unlikely	negligible	low	
142	Interior live oak	*Quercus wizlizenii*	poor	poor	Improbable	very low	unlikely	negligible	low	
201	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
202	Valley oak	*Quercus lobata*	poor	good	Improbable	very low	unlikely	negligible	low	sprouted from stump
203	Valley oak	*Quercus lobata*	fair	good	Improbable	very low	unlikely	negligible	low	
205	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
206	Blue oak	*Quercus douglasii*	fair	fair	Improbable	very low	unlikely	negligible	low	
207	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
208	Blue oak	*Quercus douglasii*	poor	fair	Improbable	very low	unlikely	negligible	low	
209	Blue oak	*Quercus douglasii*	fair	fair	Improbable	very low	unlikely	negligible	low	
210	Interior live oak	*Quercus wizlizenii*	poor	fair	Improbable	very low	unlikely	negligible	low	
211	Chinese tallow	*Triadica sebifera*	good	good	Improbable	very low	unlikely	negligible	low	Tree was identified as a Gooddings black willow on the 2017 inventory
212	Interior live oak	*Quercus wizlizenii*	fair	good	Improbable	very low	unlikely	negligible	low	
213	Valley oak	*Quercus lobata*	fair	good	Improbable	very low	unlikely	negligible	low	
214	Valley oak	*Quercus lobata*	fair	fair	Improbable	very low	unlikely	negligible	low	
215	Valley oak	*Quercus lobata*	fair	fair	Improbable	very low	unlikely	negligible	low	
216	Valley oak	*Quercus lobata*	poor	fair	Improbable	very low	unlikely	negligible	low	
217	Valley oak	*Quercus lobata*	good	fair	Improbable	very low	unlikely	negligible	low	
218	Valley oak	*Quercus lobata*	fair	fair	Improbable	very low	unlikely	negligible	low	
219	Valley oak	*Quercus lobata*	fair	fair	Improbable	very low	unlikely	negligible	low	
220	Valley oak	*Quercus lobata*	poor	fair	Improbable	very low	unlikely	negligible	low	
221	Interior live oak	*Quercus wizlizenii*	poor	fair	Improbable	very low	unlikely	negligible	low	
222	Interior live oak	*Quercus wizlizenii*	poor	fair	Improbable	very low	unlikely	negligible	low	
223	Interior live oak	*Quercus wizlizenii*	fair	good	Improbable	very low	unlikely	negligible	low	
224	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
225	Blue oak	*Quercus douglasii*	good	poor	Improbable	very low	unlikely	negligible	low	
226	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
227	Valley oak	*Quercus lobata*	good	good	Improbable	very low	unlikely	negligible	low	
228	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
229	Interior live oak	*Quercus wizlizenii*	poor	fair	Improbable	very low	unlikely	negligible	low	
230	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
231	Valley oak	*Quercus lobata*	good	good	Improbable	very low	unlikely	negligible	low	
232	Blue oak	*Quercus douglasii*	poor	fair	Improbable	very low	unlikely	negligible	low	
233	Valley oak	*Quercus lobata*	fair	good	Improbable	very low	unlikely	negligible	low	
234	Valley oak	*Quercus lobata*	fair	good	Improbable	very low	unlikely	negligible	low	
235	Valley oak	*Quercus lobata*	poor	good	Improbable	very low	unlikely	negligible	low	included bark
236	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
237	Blue oak	*Quercus lobata*	good	fair	Improbable	very low	unlikely	negligible	low	
238	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
239	Interior live oak	*Quercus wizlizenii*	good	poor	Improbable	very low	unlikely	negligible	low	
240	Interior live oak	*Quercus wizlizenii*	good	fair	Improbable	very low	unlikely	negligible	low	
241	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
242	Interior live oak	*Quercus wizlizenii*	poor	fair	Improbable	very low	unlikely	negligible	low	Tree has uprooted and leans on scaffold limb on west side of tree, but appears stable now.
243	Interior live oak	*Quercus wizlizenii*	poor	poor	Improbable	very low	unlikely	negligible	low	
244	Interior live oak	*Quercus wizlizenii*	poor	poor	Improbable	very low	unlikely	negligible	low	
245	Valley oak	*Quercus lobata*	fair	fair	Improbable	very low	unlikely	negligible	low	
246	Interior live oak	*Quercus wizlizenii*	poor	poor	Improbable	very low	unlikely	negligible	low	
247	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
248	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
249	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
250	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
251	Interior live oak	*Quercus wizlizenii*	good	fair	Improbable	very low	unlikely	negligible	low	
252	Interior live oak	*Quercus wizlizenii*	poor	poor	Improbable	very low	unlikely	negligible	low	
253	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
254	Valley oak	*Quercus lobata*	good	fair	Improbable	very low	unlikely	negligible	low	
255	Interior live oak	*Quercus wizlizenii*	good	fair	Improbable	very low	unlikely	negligible	low	
256	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
257	Valley oak	*Quercus lobata*	fair	fair	Improbable	very low	unlikely	negligible	low	
258	Interior live oak	*Quercus wizlizenii*	good	fair	Improbable	very low	unlikely	negligible	low	
259	Interior live oak	*Quercus wizlizenii*	good	fair	Improbable	very low	unlikely	negligible	low	
260	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
261	Gooddings black willow	*Salix gooddingii*	poor	fair	possible	very low	unlikely	negligible	low	
262	Blue oak	*Quercus douglasii*	fair	fair	Improbable	very low	unlikely	negligible	low	
263	Interior live oak	*Quercus wizlizenii*	poor	good	Improbable	very low	unlikely	negligible	low	
1869	Interior live oak	*Quercus wizlizenii*	fair	fair	improbable	low	unlikely	negligible	low	
1870	Interior live oak	*Quercus wizlizenii*	poor	fair	Improbable	very low	unlikely	negligible	low	
1871	Interior live oak	*Quercus wizlizenii*	poor	fair	Improbable	very low	unlikely	negligible	low	Tree is growing sideways. No pruning can help this trees structure

1872	Interior live oak	*Quercus wizlizenii*	poor	fair	possible	very low	unlikely	negligible	low	Bad attachment between 2 main trunks at base of tree. Tree has been repeatedly topped for power-line clearance. Recommend whole tree removal.
1873	Interior live oak	*Quercus wizlizenii*	poor	fair	Improbable	very low	unlikely	negligible	low	Tree has a significant lean and has been topped in spots for power-line clearance. Recommend whole tree removal.
1874	Interior live oak	*Quercus wizlizenii*	poor	fair	imminent	high	very likely	minor	moderate	Tree has severe sunburn on west side of trunk which has allowed two main scaffold limbs to start cracking apart. Tree will fail and fall on barbed wire fence. Recommend remove tree.
1875	Gooddings black willow	*Salix gooddingii*	poor	poor	probable	very low	unlikely	negligible	low	Tree has signs of past failures.
1876	Gooddings black willow	*Salix gooddingii*	poor	poor	probable	low	unlikely	negligible	low	Tree has signs of past failures and many dead branches
1877	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
1878	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
1879	Interior live oak	*Quercus wizlizenii*	poor	fair	Improbable	very low	unlikely	negligible	low	
1880	Interior live oak	*Quercus wizlizenii*	poor	fair	Improbable	very low	unlikely	negligible	low	
1881	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
1882	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
1883	Interior live oak	*Quercus wizlizenii*	good	fair	Improbable	very low	unlikely	negligible	low	
1884	Interior live oak	*Quercus wizlizenii*	poor	fair	Improbable	very low	unlikely	negligible	low	
1885	Chinese pistache	*Pistacia chinensis*	poor	fair	Improbable	very low	unlikely	negligible	low	was labeled as ca black walnut
1886	Interior live oak	*Quercus wizlizenii*	poor	fair	Improbable	very low	unlikely	negligible	low	
1887	Valley oak	*Quercus lobata*	fair	fair	Improbable	very low	unlikely	negligible	low	
1888	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
2044	Valley oak	*Quercus lobata*	fair	good	Improbable	very low	unlikely	negligible	low	is tagged as 204
2893	Interior live oak	*Quercus wizlizenii*	poor	fair	possible	low	unlikely	negligible	low	Poor attachment of lowest S growing scaffold limb. Base of tree exhibits pockets of decay.
2894	Interior live oak	*Quercus wizlizenii*	fair	fair	possible	low	unlikely	significant	low	Tree in current state possibly could lose a large scaffold limb on its W side. Recommend end weight reduction pruning throughout tree's canopy.
2895	Interior live oak	*Quercus wizlizenii*	fair	fair	Improbable	very low	unlikely	negligible	low	
2896	Blue gum eucalyptus	*Eucalyptus globulus*	X	x	x	x	x	x	x	Non- native tree. To be removed
2897	Blue oak	*Quercus douglasii*	good	fair	Improbable	very low	unlikely	negligible	low	
2898	Blue oak	*Quercus douglasii*	fair	fair	Improbable	very low	unlikely	negligible	low	
2899	Blue oak	*Quercus douglasii*	fair	fair	Improbable	very low	unlikely	negligible	low	
2900	Valley oak	*Quercus lobata*	fair	good	Improbable	very low	unlikely	negligible	low	
No tag	Blue oak	*Quercus douglasii*	poor	good	Improbable	very low	unlikely	negligible	low	Tree is located just outside of NE corner of parcel
No tag	Interior live oak	*Quercus wizlizenii*	fair	good	Improbable	very low	unlikely	negligible	low	Tee is the smaller live oak just outside of N boundary of property
No tag	Interior live oak	*Quercus wizlizenii*	poor	good	Improbable	very low	unlikely	negligible	low	Tree is the larger live oak just outside of N boundary of property
No tag	Interior live oak	*Quercus wizlizenii*	poor	fair	Improbable	very low	unlikely	negligible	low	Tree appears to have toppled onto the wood fence and has been partially removed. It is located on the NE neighboring property at the corner nearest Sierra College Blvd.
	Blue = Non-native trees (no mitigation inches required)									
	Red = Native trees slated for removal with poor structure (recommend no mitigation inches be required for these trees)									