

Oak Woodland Analysis

±121-Acre Rancho Del Oro Site
Placer County, California

Prepared for: Tsakopoulos Real Estate Investments

October 1, 2009

Submitted by:

 **FOOTHILL ASSOCIATES**

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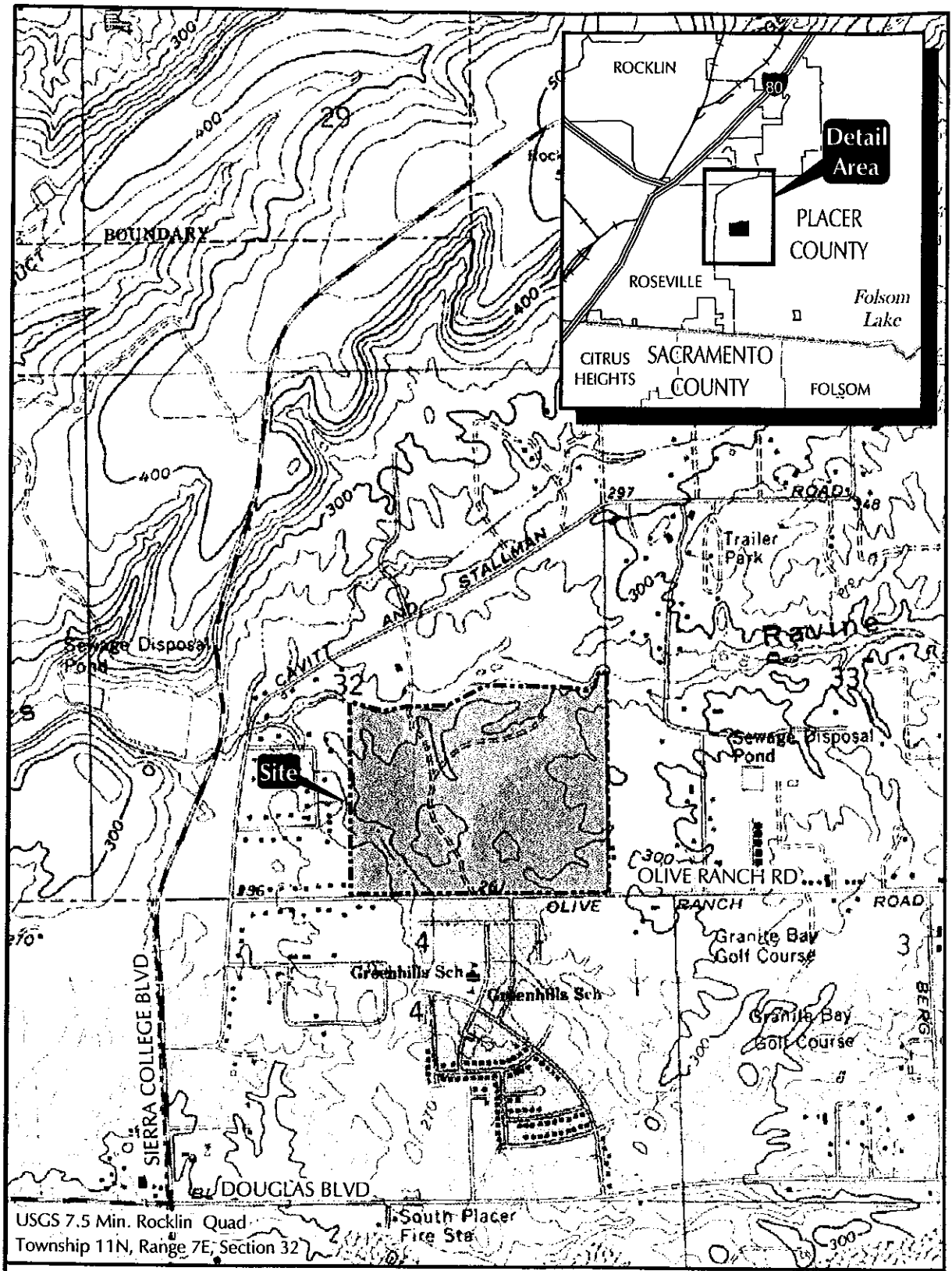
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1.0 INTRODUCTION

This report presents the results of an oak woodland analysis conducted for the Rancho Del Oro site located in Granite Bay, Placer County, California. The ±121-acre site is located immediately north of Olive Ranch Road, approximately a quarter-mile east of Cavitt Stallman Road (**Figure 1**). The property is bounded on the north by Miners Ravine, on the east and west by low-density residential development, and on the south by Olive Ranch Road and high-density residential development.

The purpose of this report is to document the type, extent, and function of oak woodlands on the site, and to evaluate the potential impact of the proposed development on the oak woodlands. Additionally, all significant trees, as defined by Placer County, are identified and the potential impacts of the proposed development on these trees are assessed. Significant trees are defined in Placer County's *Guidelines for Evaluating Impacts to Oak Woodlands* (Guidelines) as oak trees with a trunk diameter at breast height (DBH) greater than 24 inches or clumps (multi-trunk oak trees) with a circumference at ground level greater than 72 inches (diameter of 22.9 inches).



USGS 7.5 Min. Rocklin Quad
 Township 11N, Range 7E, Section 32

SITE AND VICINITY

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 LANDSCAPE ARCHITECTURE



0 750 1500
 SCALE IN FEET

Drawn By: AH
 Date: 06/09/05

FIGURE 1

2.0 METHODS

2.1 Oak Woodland Mapping

Oak woodland communities were identified in the field and either GPS'd or mapped on an aerial photograph and digitized to create an exhibit. Field surveys were also used to determine the composition and structure of the onsite oak woodlands, and to identify all significant trees, as defined by Placer County. Areas where the oak tree canopy was less than ten percent per acre and the dominant tree species were other than California native oak did not qualify as oak woodland. Additionally, per the Guidelines, oak tree stands smaller than one acre in size were not mapped as oak woodlands.

2.2 Significant Tree Identification

Because more than 5,000 trees were inventoried for the site's arborist report (Foothill Associates 2005) and the trunk diameter measurements for each multi-trunk tree were presented as an aggregate trunk diameter rather than a list of individual trunk measurements, the data were not conducive to generating a relatively accurate list of trees that possess a basal circumference greater than 72 inches. Moreover, it was not practicable to physically inspect each multi-trunk tree in the field to measure its circumference at ground level. For these reasons, the tree data from the arborist report were sorted and grouped by the total number of trunks and total DBH. A representative sample of trees within each trunk/DBH class (e.g., 2 trunks/17 inches DBH, 2 trunks/18 inches DBH, etc.) located in the western half of the site were measured during field surveys in late June 2008 to determine their circumference at ground level. When a majority of the trees within each trunk/DBH class had a circumference at ground level greater than 72 inches, all trees within that class were considered significant trees.

Prior to conducting this oak woodland analysis, the Placer County Planning Department approved the following criteria for determining significant trees on this project:

- Significant trees located outside the dense interior live oak canopy that makes up the majority of the oak woodland in the eastern half of the site will include any single-trunk oaks with a trunk diameter at breast height greater than 24 inches or multi-trunk oaks with a circumference at ground level greater than 72 inches, regardless of health/structure condition. For trees located within the dense interior live oak canopy, only the single-trunk trees with a trunk diameter greater than 24 inches, regardless of health/structure condition, will be designated as significant trees. All trees within the Miners Ravine riparian corridor will be excluded.

All offsite oak trees located within ± 50 feet of the site were inspected from the property lines in order to determine if they met the significant tree criteria.

2.3 Oak Woodland Impact Analysis

Once the oak woodland communities map was prepared, the proposed development plan showing road alignments and associated grading, proposed wetland fill areas, and the detention basin was overlaid on it to determine impacts to oak woodlands and significant trees.

3.0 RESULTS AND DISCUSSION

A total of 81.14 acres of oak woodland were mapped on the ±121-acre site (**Figure 2**). In general, blue oaks (*Quercus douglasii*) dominate the western half of the site while interior live oaks (*Quercus wislizenii*) dominate the eastern portion of the site. The greatest concentration of valley oaks (*Quercus lobata*) is associated with Miners Ravine and within the mixed oak woodland located near the onsite excavated pits. The remaining portions of the site consist mostly of annual grassland vegetation, non-oak tree vegetation, and a variety of perennial and seasonal wetland features. Only the perennial marsh in the southwest portion of the site, as opposed to all wetland features on the site, was separated from the blue oak woodland community in **Figure 2** because it is the only wetland feature that transects a significant portion of an oak woodland community and represents a distinctively different habitat type year-round.

3.1 Oak Woodland Communities

3.1.1 Interior Live Oak Woodland

Interior live oak woodland amounts to 40.24 acres and comprises nearly all of the woodland community in the eastern half of the site. Blue oaks and foothill pines (*Pinus sabiniana*) are also present throughout this community. The majority of this community is multi-tiered with a continuous, closed canopy; however, portions contain intermittent canopy. The understory is comprised of annual grassland species and widely scattered coyote brush (*Baccharis pilularis*), buck brush (*Ceanothus cuneatus*), poison oak (*Toxicodendron diversilobum*), toyon (*Heteromeles arbutifolia*), California coffeeberry (*Rhamnus californica*), Himalayan blackberry (*Rubus discolor*), blue elderberry (*Sambucus mexicana*), and California buckeye (*Aesculus californica*). Annual grassland species tend to be denser in areas with intermittent oak canopy compared to the closed-canopy areas.

Most of the interior live oak trees in the eastern half of the site have multiple trunks and possess significant cavities, decay, and other structural defects. For these reasons, this section of the onsite oak woodland is not subject to the same analyses and mitigation as other sections of the onsite oak woodland, but is instead subject to a less stringent mitigation requirement based on the overall poor quality of the woodland. The Placer County Planning Department concurred with these provisions prior to this oak woodland analysis being conducted. Individual multi-trunk interior live oak trees within this community were not classified as significant trees due to their poor quality and health, even though they might otherwise qualify as significant trees (i.e., having a cumulative trunk circumference of greater than 72 inches) if they were not of such poor quality and in such poor health.

3.1.2 Blue Oak Woodland

Blue oak woodland amounts to 37.34 acres and occurs predominately in the western half of the site. Two small clusters of blue oak woodland also exist in the southeastern corner

of the site. Interior live oaks and foothill pines are also scattered throughout this community. The majority of this community is single-tiered with intermittent canopy; however, there are a few areas where natural oak tree regeneration is apparent and constitutes another canopy layer. Understory vegetation consists of annual grassland species, along with the widely scattered shrub species listed in the interior live oak woodland description above.

3.1.3 Valley Oak Woodland

The valley oak woodland amounts to 2.29 acres and exists along Miners Ravine, which flows along the northern boundary of the site. This community is dominated by valley oaks intermixed with willows (*Salix* spp.), blue oaks, and interior live oaks. The structure of this community on the site ranges from single- to two-tiered. The understory is predominately composed of annual grassland species, poison oak, and Himalayan blackberry.

3.1.4 Mixed Oak Woodland

This community covers 1.27 acres of the site and is dominated by both valley oak and interior live oak, but also contains several blue oaks. The community is adjacent to the excavated pits located near the northern edge of the site and the oak trees are actually growing out of the spoil piles that were generated during the excavation activities. This community has a dense, multi-tiered canopy and variable understory vegetation similar to what is described above for the other onsite woodland communities.

3.2 Habitat Value and Woodland Function

Oak woodland habitats provide breeding, foraging, and shelter habitat for several species of wildlife. Species observed within these woodland habitats include acorn woodpecker (*Melanerpes formicivorus*), barn owl (*Tyto alba*), California quail (*Callipepla californica*), coyote (*Canis latrans*), great horned owl (*Bubo virginianus*), mourning dove (*Zenaida macroura*), mule deer (*Odocoileus hemionus*), red-shouldered hawk (*Buteo lineatus*), turkey vulture (*Cathartes aura*), western scrub jay (*Aphelocoma coerulescens*), western bluebird (*Sialia mexicana*), western fence lizard (*Sceloporus occidentalis*), western gray squirrel (*Sciurus griseus*), and wild turkey (*Meleagris gallopavo*). The valley oak woodland habitat along the northern property line also provides shade and bank stabilization for Miners Ravine.

While offsite residential development, particularly to the south and west, have fragmented the offsite oak woodlands and their connectivity to the onsite oak woodland communities, the dense interior live oak woodland in the eastern half of the site extends beyond the site boundaries in a northeast direction and connects with the Miner Ravine riparian corridor. It should be noted that the County has approved a tentative subdivision map for the property immediately to the east that may affect connectivity to onsite live oak woodland. Additionally, the blue oak woodland in the northwest corner of the site is contiguous with the Miners Ravine riparian corridor.

3.3 Significant Trees

Based on the Rancho Del Oro site's Placer County-approved criteria, a total of 378 onsite oak trees qualify as significant trees. Only one offsite tree (referred to as Off-Site Oak A), located along the northern end of the western property line, meets the site's significant tree criteria. The location of each significant tree is shown on **Figure 2** and the data for each tree are listed in **Appendix A**. As previously discussed, all trees within the Miners Ravine riparian corridor are excluded from the significant tree criteria because the proposed project will maintain a buffer from the stream. Also, the dense interior live oak woodland in the eastern half of the site extends beyond the site boundaries, therefore, the same criteria used to determine significant trees within the onsite portion of this woodland type were applied to the offsite portion. Using these criteria, none of the offsite trees along the eastern property line qualify as significant trees.

3.4 Impact Analysis

3.4.1 *Proposed Impacts to Oak Woodland Communities*

The proposed improvements will directly impact a total of 17.55 acres of oak woodland. This acreage is comprised of 10.94 acres of interior live oak woodland, 5.27 acres of blue oak woodland, 1.26 acres of mixed oak woodland, and 0.08 acre of valley oak woodland (**Figure 3**).

It should be noted that potential indirect impacts to significant trees within 50 feet of subdivision improvements are expected to be avoided or minimal. Proposed project elements such as roads and road shoulders are to be designed as to not significantly change existing site drainage and proposed lot locations are designed to eliminate or minimize grading that would result in a significant change to existing site drainage patterns. Therefore, potential indirect impacts to oak trees within the 50-foot buffer are expected to be avoided or minimal in scope and were not included in the impact analysis.

3.4.2 *Proposed Impacts to Significant Trees*

Of the 378 significant trees identified for the project, 69 trees totaling 1,976 inches in DBH will be directly impacted by the proposed improvements and 42 trees will sustain various degrees of dripline encroachment from the proposed improvements. The type of impact is included with the tree data in **Appendix A**.

4.0 REFERENCES

Foothill Associates. September 13, 2005. Arborist Report for the Rancho Del Oro ±121-Acre Site. Rocklin, California.

Placer County. June 12, 2007. Draft Guidelines for Evaluating Development Impacts on Oak Woodland.

Sawyer, John and Todd Keeler-Wolf. 1995. *A Manual of California Vegetation*. California Native Plant Society, Sacramento, California.

Appendix A — Significant Tree Data

Rancho Del Oro
Significant Tree Data

Tree #	Species	# of Trunks	DBH (inches)	DLR (feet)	Health	Structure	Impact Type
1	Live Oak	2	61	20	Fair	Fair-Poor	No Impact
2	Live Oak	3	19	25	Good	Fair-Good	No Impact
5	Live Oak	2	38	25	Good	Fair	No Impact
6	Live Oak	1	30	25	Good	Poor	No Impact
7	Live Oak	3	56	20	Fair	Fair	No Impact
9	Live Oak	2	47	33	Good	Fair-Poor	No Impact
10	Live Oak	3	58	20	Fair-Good	Fair	No Impact
13	Live Oak	4	72	28	Fair	Fair-Poor	No Impact
14	Live Oak	3	30	20	Fair-Poor	Fair-Poor	No Impact
15	Live Oak	2	44	25	Fair-Good	Fair	No Impact
16	Live Oak	2	43	22	Fair	Fair	No Impact
17	Blue Oak	2	34	21	Good	Fair	No Impact
18	Blue Oak	1	29	22	Good	Good	No Impact
19	Blue Oak	1	32	20	Good	Good	No Impact
20	Live Oak	2	21	12	Fair-Good	Poor	No Impact
25	Live Oak	3	35	18	Fair	Poor	No Impact
27	Valley Oak	1	25	16	Fair	Good	No Impact
30	Blue Oak	2	30	18	Good	Fair	No Impact
31	Live Oak	4	26	15	Fair-Good	Poor	No Impact
32	Live Oak	5	31	12	Good	Fair	No Impact
34	Live Oak	3	21	10	Fair-Good	Fair	No Impact
38	Live Oak	4	23	15	Fair	Fair	No Impact
42	Live Oak	4	31	16	Fair-Poor	Poor	No Impact
45	Live Oak	3	23	16	Fair	Fair-Good	No Impact
46	Live Oak	6	32	12	Poor	Fair-Poor	No Impact
48	Live Oak	7	37	19	Fair	Poor	No Impact
55	Live Oak	5	19	12	Fair	Fair-Poor	No Impact
58	Valley Oak	2	36	18	Good	Fair-Poor	No Impact
60	Valley Oak	1	24	26	Good	Good	No Impact
67	Live Oak	6	30	18	Fair	Poor	No Impact
68	Blue Oak	2	41	22	Good	Fair	No Impact
69	Live Oak	3	23	12	Fair-Good	Fair	No Impact
77	Live Oak	5	35	15	Fair-Poor	Fair-Poor	No Impact
84	Live Oak	9	61	30	Fair-Good	Poor	No Impact
85	Blue Oak	2	20	15	Fair	Fair	No Impact
86	Live Oak	4	31	18	Fair	Fair	No Impact
89	Live Oak	3	22	18	Fair	Poor	No Impact
90	Live Oak	5	30	20	Fair-Good	Fair	No Impact
96	Live Oak	6	36	15	Fair	Fair-Poor	No Impact
100	Live Oak	3	22	15	Fair	Fair	No Impact
101	Live Oak	2	20	16	Good	Fair-Poor	No Impact

Rancho Del Oro
Significant Tree Data

Tree #	Species	# of Trunks	DBH (inches)	DLR (feet)	Health	Structure	Impact Type
103	Blue Oak	1	29	30	Good	Fair-Good	No Impact
106	Blue Oak	2	27	30	Fair	Poor	Dripline Encroachment
108	Live Oak	3	24	15	Fair	Poor	No Impact
111	Live Oak	2	36	25	Fair	Fair-Poor	Dripline Encroachment
112	Live Oak	4	52	20	Fair-Good	Fair	No Impact
113	Blue Oak	1	31	20	Fair	Poor	No Impact
119	Blue Oak	1	36	28	Good	Fair-Poor	Direct Impact
121	Live Oak	5	85	25	Fair	Poor	Direct Impact
122	Live Oak	1	24	28	Fair	Poor	Direct Impact
125	Live Oak	2	21	20	Good	Fair	Dripline Encroachment
126	Live Oak	2	24	25	Fair	Poor	No Impact
128	Live Oak	3	40	28	Fair-Good	Fair	No Impact
130	Live Oak	7	70	37	Fair-Good	Fair	No Impact
131	Live Oak	2	59	28	Good	Good	No Impact
132	Live Oak	1	32	26	Good	Fair-Good	No Impact
133	Live Oak	1	26	25	Fair-Poor	Poor	No Impact
135	Live Oak	2	48	30	Fair-Poor	Fair-Poor	No Impact
136	Live Oak	3	65	22	Fair	Fair	No Impact
139	Blue Oak	2	20	10	Good	Fair-Poor	No Impact
142	Blue Oak	2	34	18	Good	Poor	No Impact
145	Blue Oak	3	35	17	Good	Fair-Poor	No Impact
156	Blue Oak	2	25	15	Good	Fair-Poor	No Impact
160	Blue Oak	2	20	15	Good	Fair	No Impact
164	Blue Oak	2	20	15	Fair-Poor	Poor	No Impact
169	Blue Oak	2	24	16	Good	Fair	No Impact
173	Live Oak	4	32	19	Good	Fair-Poor	Direct Impact
175	Live Oak	4	34	20	Good	Fair	Direct Impact
184	Live Oak	3	29	16	Fair-Good	Poor	Direct Impact
185	Live Oak	3	22	15	Good	Fair	Direct Impact
186	Live Oak	5	33	15	Good	Fair-Poor	No Impact
187	Live Oak	9	49	26	Fair	Fair-Poor	Dripline Encroachment
190	Live Oak	5	32	15	Fair-Good	Fair	Direct Impact
195	Blue Oak	2	25	20	Good	Poor	No Impact
196	Live Oak	3	18	13	Good	Good	No Impact
199	Live Oak	3	20	14	Fair-Good	Poor	Dripline Encroachment
209	Live Oak	4	21	15	Fair-Poor	Poor	Direct Impact
214	Live Oak	5	29	20	Fair-Poor	Fair-Poor	Direct Impact
217	Live Oak	3	20	8	Fair-Poor	Fair	No Impact
219	Live Oak	3	18	9	Fair-Good	Fair	No Impact
223	Live Oak	4	23	15	Good	Fair	No Impact
226	Live Oak	5	35	16	Fair	Fair-Poor	No Impact

Rancho Del Oro
Significant Tree Data

Tree #	Species	# of Trunks	DBH (inches)	DLR (feet)	Health	Structure	Impact Type
235	Live Oak	4	26	14	Good	Fair	No Impact
237	Live Oak	3	19	16	Good	Fair	No Impact
240	Live Oak	4	25	15	Good	Fair	No Impact
244	Live Oak	5	35	19	Fair	Fair-Poor	No Impact
246	Live Oak	3	42	17	Fair-Good	Poor	No Impact
259	Live Oak	4	21	9	Fair	Fair	Direct Impact
267	Live Oak	3	21	12	Fair	Fair	Dripline Encroachment
273	Live Oak	4	30	17	Fair	Fair	Direct Impact
274	Live Oak	3	24	16	Good	Fair-Poor	Direct Impact
278	Live Oak	4	41	22	Good	Poor	Dripline Encroachment
279	Live Oak	7	41	16	Fair-Good	Fair-Poor	Direct Impact
280	Live Oak	3	21	13	Fair	Fair-Poor	Direct Impact
282	Live Oak	3	19	13	Fair-Good	Fair-Poor	Dripline Encroachment
287	Live Oak	3	20	10	Fair	Fair-Poor	No Impact
306	Live Oak	3	31	19	Fair	Poor	No Impact
308	Blue Oak	2	22	12	Fair-Poor	Poor	No Impact
328	Live Oak	2	23	8	Poor	Poor	No Impact
333	Live Oak	3	21	11	Fair	Fair	No Impact
340	Blue Oak	4	35	16	Good	Fair	No Impact
346	Blue Oak	2	22	15	Good	Fair	No Impact
350	Blue Oak	2	26	17	Good	Fair	No Impact
351	Blue Oak	2	20	15	Fair-Good	Good	No Impact
355	Blue Oak	1	25	22	Good	Fair-Good	No Impact
358	Blue Oak	1	24	14	Fair-Poor	Poor	No Impact
359	Live Oak	2	22	14	Fair-Good	Fair-Poor	No Impact
361	Live Oak	2	26	12	Fair-Good	Fair	No Impact
363	Live Oak	4	20	16	Fair-Good	Fair-Poor	No Impact
367	Live Oak	3	32	19	Good	Fair-Poor	No Impact
370	Live Oak	2	20	14	Good	Fair	Direct Impact
371	Live Oak	4	33	20	Good	Fair-Poor	Direct Impact
372	Live Oak	5	45	24	Good	Fair-Poor	Direct Impact
378	Live Oak	2	23	10	Fair-Poor	Poor	Direct Impact
380	Willow	3	32	17	Fair	Fair	Direct Impact
384	Live Oak	2	29	11	Fair-Poor	Fair-Poor	Direct Impact
389	Blue Oak	2	22	15	Fair	Fair-Poor	No Impact
390	Blue Oak	2	20	12	Fair	Fair	No Impact
393	Blue Oak	3	33	16	Fair	Poor	Dripline Encroachment
398	Live Oak	3	18	12	Good	Fair	Dripline Encroachment
400	Live Oak	2	31	15	Fair	Poor	Direct Impact
403	Live Oak	3	39	20	Fair-Poor	Poor	Dripline Encroachment
408	Live Oak	2	51	20	Fair	Poor	Direct Impact

Rancho Del Oro
Significant Tree Data

Tree #	Species	# of Trunks	DBH (inches)	DLR (feet)	Health	Structure	Impact Type
410	Live Oak	2	20	15	Fair	Poor	Direct Impact
411	Live Oak	3	33	28	Fair-Poor	Poor	Direct Impact
417	Blue Oak	2	22	25	Good	Fair-Good	Direct Impact
423	Blue Oak	4	27	21	Fair	Fair	No Impact
424	Blue Oak	1	28	15	Fair	Fair	No Impact
428	Blue Oak	1	36	29	Fair	Fair-Poor	No Impact
429	Blue Oak	1	24	28	Good	Good	No Impact
448	Blue Oak	2	20	16	Fair-Good	Fair-Good	No Impact
457	Blue Oak	2	42	25	Good	Fair-Good	No Impact
466	Blue Oak	2	20	14	Fair-Good	Fair	No Impact
468	Blue Oak	1	26	30	Fair-Good	Fair-Good	No Impact
471	Blue Oak	3	46	30	Fair-Good	Fair	No Impact
472	Blue Oak	2	33	16	Fair	Poor	No Impact
473	Blue Oak	2	30	19	Fair-Poor	Fair	No Impact
479	Blue Oak	1	25	25	Fair	Fair-Poor	No Impact
492	Blue Oak	1	24	30	Fair-Good	Fair-Poor	Direct Impact
493	Blue Oak	1	28	28	Good	Good	Direct Impact
499	Blue Oak	1	24	20	Good	Good	Dripline Encroachment
502	Blue Oak	1	30	30	Good	Good	Direct Impact
506	Blue Oak	1	39	20	Fair-Good	Fair	No Impact
507	Blue Oak	1	30	25	Fair	Good	No Impact
508	Blue Oak	1	30	29	Good	Good	No Impact
510	Blue Oak	1	28	25	Fair-Good	Good	No Impact
514	Blue Oak	3	43	15	Fair-Poor	Poor	No Impact
515	Blue Oak	1	29	22	Fair-Good	Good	Dripline Encroachment
516	Blue Oak	1	47	30	Good	Fair	Dripline Encroachment
520	Blue Oak	2	31	22	Fair	Fair	No Impact
521	Blue Oak	1	28	27	Fair	Good	No Impact
523	Blue Oak	1	30	21	Good	Fair-Good	No Impact
524	Blue Oak	2	27	18	Fair-Good	Fair	No Impact
532	Blue Oak	1	24	25	Good	Good	No Impact
533	Blue Oak	2	38	22	Fair-Good	Fair	No Impact
534	Blue Oak	1	24	36	Fair-Good	Fair-Good	No Impact
549	Blue Oak	2	22	21	Fair-Poor	Poor	No Impact
560	Blue Oak	2	20	17	Fair-Good	Fair-Good	No Impact
563	Blue Oak	2	27	30	Fair-Good	Fair-Good	No Impact
564	Live Oak	3	43	40	Fair-Poor	Poor	No Impact
565	Blue Oak	5	73	40	Fair-Good	Poor	No Impact
566	Blue Oak	2	25	25	Good	Fair	No Impact
571	Live Oak	2	36	35	Fair-Good	Fair	No Impact
574	Blue Oak	1	28	30	Fair-Poor	Poor	No Impact

Rancho Del Oro
Significant Tree Data

Tree #	Species	# of Trunks	DBH (inches)	DLR (feet)	Health	Structure	Impact Type
577	Blue Oak	1	30	45	Good	Good	No Impact
586	Blue Oak	2	24	27	Fair-Good	Poor	No Impact
587	Blue Oak	2	23	22	Fair	Poor	Dripline Encroachment
610	Blue Oak	11	15	11	Fair-Poor	Fair-Poor	Direct Impact
626	Blue Oak	2	37	40	Good	Fair-Poor	No Impact
632	Blue Oak	3	19	18	Fair	Fair-Poor	No Impact
633	Blue Oak	4	23	13	Fair	Poor	No Impact
634	Live Oak	2	20	20	Fair	Poor	No Impact
649	Blue Oak	2	25	30	Fair	Fair-Poor	No Impact
658	Blue Oak	2	28	28	Good	Poor	No Impact
669	Live Oak	13	53	20	Fair	Poor	No Impact
675	Live Oak	5	25	30	Fair-Good	Poor	No Impact
706	Live Oak	6	35	30	Fair-Good	Poor	No Impact
714	Blue Oak	2	22	20	Fair-Poor	Fair-Poor	No Impact
715	Blue Oak	2	28	30	Fair-Poor	Poor	No Impact
716	Live Oak	8	56	38	Fair	Poor	No Impact
726	Blue Oak	1	26	35	Fair-Poor	Poor	No Impact
750	Live Oak	6	19	16	Fair-Good	Poor	No Impact
753	Blue Oak	2	23	27	Fair-Good	Poor	No Impact
766	Blue Oak	2	27	25	Fair-Good	Fair-Poor	No Impact
793	Blue Oak	3	28	22	Fair	Poor	No Impact
803	Blue Oak	2	24	22	Fair-Good	Poor	Dripline Encroachment
816	Blue Oak	2	22	19	Fair-Good	Fair	Direct Impact
818	Blue Oak	2	24	17	Fair-Good	Poor	Dripline Encroachment
823	Blue Oak	3	47	30	Fair-Good	Poor	Dripline Encroachment
830	Blue Oak	3	39	28	Fair-Good	Poor	Dripline Encroachment
842	Blue Oak	2	26	28	Fair-Poor	Poor	Direct Impact
843	Blue Oak	1	25	33	Good	Fair-Good	Direct Impact
844	Blue Oak	3	22	14	Fair	Fair-Poor	Direct Impact
854	Blue Oak	2	28	21	Fair-Good	Fair-Poor	Direct Impact
856	Blue Oak	1	24	31	Fair-Good	Fair-Good	Direct Impact
892	Blue Oak	3	38	25	Fair	Fair-Poor	No Impact
894	Blue Oak	1	24	30	Fair-Good	Fair	No Impact
945	Blue Oak	2	21	19	Fair-Good	Fair-Poor	No Impact
950	Blue Oak	2	29	28	Fair-Good	Poor	No Impact
951	Blue Oak	1	24	33	Good	Poor	No Impact
964	Blue Oak	1	27	38	Fair	Fair-Poor	Dripline Encroachment
979	Willow	4	20	10	Fair-Poor	Fair-Poor	Dripline Encroachment
987	Blue Oak	2	32	28	Fair	Poor	Dripline Encroachment
991	Willow	8	33	20	Fair-Good	Fair-Poor	Dripline Encroachment
992	Valley Oak	2	36	42	Fair-Good	Fair	Direct Impact

Rancho Del Oro Significant Tree Data

Tree #	Species	# of Trunks	DBH (inches)	DLR (feet)	Health	Structure	Impact Type
1005	Blue Oak	2	26	21	Good	Fair-Good	No Impact
1020	Blue Oak	2	23	12	Fair	Fair-Good	No Impact
1051	Blue Oak	2	21	8	Poor	Fair-Poor	No Impact
1067	Blue Oak	1	24	18	Good	Good	No Impact
1079	Blue Oak	2	20	11	Fair-Good	Fair-Good	Direct Impact
1089	Blue Oak	1	27	23	Fair-Good	Good	Direct Impact
1091	Blue Oak	2	22	18	Good	Good	No Impact
1093	Blue Oak	2	30	20	Good	Good	No Impact
1096	Blue Oak	2	21	13	Fair-Good	Fair-Good	No Impact
1105	Blue Oak	2	22	14	Fair	Fair	Direct Impact
1110	Blue Oak	4	38	18	Good	Good	No Impact
1112	Blue Oak	2	22	17	Fair-Good	Fair-Good	No Impact
1150	Blue Oak	3	22	8	Fair	Fair	No Impact
1163	Blue Oak	2	29	20	Fair-Good	Good	No Impact
1232	Blue Oak	2	20	11	Fair	Fair	No Impact
1240	Blue Oak	2	21	13	Poor	Fair-Poor	No Impact
1253	Blue Oak	3	27	15	Fair-Good	Fair-Good	No Impact
1267	Blue Oak	2	22	17	Good	Good	No Impact
1273	Blue Oak	1	24	26	Good	Good	No Impact
1274	Blue Oak	1	27	25	Fair-Good	Fair-Good	No Impact
1283	Blue Oak	1	26	22	Good	Good	No Impact
1287	Blue Oak	1	36	28	Good	Good	No Impact
1289	Blue Oak	3	60	30	Fair-Good	Good	No Impact
1296	Blue Oak	4	61	32	Good	Good	No Impact
1297	Blue Oak	2	27	23	Fair-Good	Fair-Good	No Impact
1302	Blue Oak	2	26	15	Good	Fair-Good	No Impact
1315	Blue Oak	1	24	20	Good	Good	No Impact
1324	Blue Oak	2	21	15	Fair-Good	Good	No Impact
1368	Blue Oak	2	23	16	Good	Good	Dripline Encroachment
1372	Live Oak	4	21	11	Fair-Poor	Fair	No Impact
1391	Blue Oak	2	21	8	Fair-Good	Fair	No Impact
1421	Blue Oak	2	23	13	Fair	Fair	No Impact
1430	Blue Oak	2	22	20	Fair-Good	Fair	No Impact
1455	Blue Oak	2	38	21	Fair	Fair-Good	No Impact
1478	Blue Oak	2	33	26	Fair-Good	Fair-Good	No Impact
1486	Blue Oak	3	26	15	Fair	Fair	No Impact
1495	Blue Oak	2	25	17	Fair	Fair	Dripline Encroachment
1511	Blue Oak	2	32	18	Fair-Good	Fair-Good	Direct Impact
1514	Blue Oak	2	24	16	Fair-Good	Fair	Dripline Encroachment
1525	Blue Oak	3	38	22	Fair-Good	Fair-Good	Direct Impact
1531	Blue Oak	2	29	20	Fair-Good	Fair	Direct Impact

Rancho Del Oro Significant Tree Data

Tree #	Species	# of Trunks	DBH (inches)	DLR (feet)	Health	Structure	Impact Type
1534	Blue Oak	2	21	14	Fair-Good	Fair-Good	No Impact
1578	Blue Oak	2	29	22	Fair-Good	Fair-Poor	No Impact
1596	Blue Oak	1	28	28	Good	Good	Dripline Encroachment
1598	Blue Oak	2	22	16	Fair	Fair-Good	No Impact
1601	Live Oak	4	84	50	Fair-Good	Poor	Dripline Encroachment
1623	Blue Oak	1	24	32	Fair	Fair-Poor	Dripline Encroachment
1627	Blue Oak	2	35	35	Fair-Good	Fair	Dripline Encroachment
1628	Blue Oak	2	26	24	Fair	Fair	Direct Impact
1633	Blue Oak	2	29	26	Fair-Good	Fair	Direct Impact
1641	Blue Oak	3	52	45	Fair	Poor	Direct Impact
1651	Blue Oak	3	31	17	Fair-Good	Fair-Poor	No Impact
1654	Blue Oak	2	25	22	Fair	Fair-Poor	No Impact
1668	Blue Oak	2	26	20	Fair-Good	Fair	No Impact
1670	Blue Oak	2	22	21	Fair-Good	Fair-Poor	No Impact
1675	Blue Oak	2	26	23	Fair	Fair-Poor	No Impact
1682	Blue Oak	1	24	30	Fair-Good	Fair-Good	No Impact
1684	Blue Oak	2	26	26	Fair-Good	Fair-Poor	No Impact
1693	Blue Oak	2	39	27	Good	Fair-Good	No Impact
1696	Valley Oak	2	23	16	Fair	Fair	No Impact
1708	Live Oak	2	26	25	Fair	Poor	No Impact
1712	Live Oak	11	39	15	Fair	Fair-Poor	No Impact
1713	Live Oak	2	38	35	Good	Poor	No Impact
1714	Live Oak	12	46	20	Fair-Good	Fair-Poor	No Impact
1715	Valley Oak	2	29	33	Fair-Good	Fair-Good	No Impact
1717	Live Oak	2	27	35	Good	Fair	No Impact
1718	Live Oak	4	38	38	Fair-Good	Fair-Poor	No Impact
1737	Live Oak	3	36	37	Fair-Good	Poor	No Impact
1762	Live Oak	2	30	28	Fair	Poor	No Impact
1766	Blue Oak	1	27	35	Fair-Good	Fair	No Impact
1768	Blue Oak	2	34	30	Fair-Good	Fair	No Impact
1777	Blue Oak	2	23	20	Fair-Good	Fair	No Impact
1778	Blue Oak	1	43	32	Fair	Fair-Good	No Impact
1779	Blue Oak	1	28	36	Fair	Fair-Poor	No Impact
1781	Live Oak	7	107	50	Fair-Good	Poor	No Impact
1784	Blue Oak	2	32	26	Fair-Good	Fair	No Impact
1787	Blk. Walnut	3	38	15	Poor	Poor	No Impact
1792	Live Oak	2	22	24	Fair	Fair	No Impact
1794	Live Oak	3	26	32	Fair-Good	Fair	No Impact
1795	Valley Oak	1	31	50	Fair	Fair	No Impact
1796	Live Oak	4	43	25	Fair	Poor	No Impact
1797	Live Oak	2	23	26	Fair	Fair	No Impact

Rancho Del Oro
Significant Tree Data

Tree #	Species	# of Trunks	DBH (inches)	DLR (feet)	Health	Structure	Impact Type
1803	Live Oak	2	29	20	Fair-Good	Fair	No Impact
1805	Live Oak	3	34	25	Fair-Good	Fair-Good	No Impact
1806	Blue Oak	2	32	27	Fair-Good	Poor	No Impact
1811	Blue Oak	1	42	60	Fair	Fair-Poor	No Impact
1815	Willow	3	32	20	Fair-Good	Fair-Good	Dripline Encroachment
1816	Willow	5	30	20	Fair-Good	Fair-Good	Dripline Encroachment
1818	Willow	2	25	15	Fair	Fair	No Impact
1819	Willow	1	28	18	Poor	Poor	No Impact
1826	Valley Oak	2	22	16	Good	Fair-Good	Direct Impact
1845	Valley Oak	1	25	37	Fair-Good	Fair-Good	Dripline Encroachment
1846	Valley Oak	2	32	30	Fair-Good	Fair-Good	No Impact
1868	Live Oak	3	38	30	Fair-Good	Fair	Direct Impact
1870	Valley Oak	2	21	20	Fair-Good	Fair-Good	Direct Impact
1883	Live Oak	3	28	20	Good	Fair	Direct Impact
1891	Live Oak	5	24	20	Fair-Good	Fair	Direct Impact
1892	Live Oak	2	29	22	Fair-Good	Fair-Good	Direct Impact
1896	Live Oak	5	32	20	Fair	Fair	Direct Impact
1897	Live Oak	3	19	17	Fair	Fair	Direct Impact
1898	Live Oak	2	20	20	Fair-Good	Fair	Direct Impact
1905	Live Oak	4	28	21	Fair	Fair-Good	Direct Impact
1909	Live Oak	4	22	13	Fair	Fair	Direct Impact
1911	Live Oak	2	21	18	Fair	Fair-Poor	Direct Impact
1921	Live Oak	3	19	14	Fair	Fair	Direct Impact
1932	Live Oak	4	21	13	Fair	Fair	Direct Impact
1938	Willow	2	38	20	Fair	Fair	Direct Impact
1939	Live Oak	3	39	25	Fair-Good	Fair	Direct Impact
1945	Live Oak	4	29	26	Fair	Fair-Poor	Direct Impact
1947	Live Oak	3	20	18	Fair-Good	Fair-Good	Direct Impact
1949	Live Oak	3	23	18	Fair	Fair	Direct Impact
1956	Live Oak	3	28	22	Good	Fair-Good	Direct Impact
1959	Live Oak	3	20	16	Fair-Good	Fair	Dripline Encroachment
1962	Live Oak	3	30	19	Good	Fair-Poor	Dripline Encroachment
1971	Live Oak	3	67	48	Good	Fair-Good	No Impact
2032	Valley Oak	1	25	20	Good	Good	No Impact
2895	Valley Oak	1	30	25	Good	Good	Direct Impact
3002	Blue Oak	2	28	16	Good	Fair	No Impact
3003	Blue Oak	1	30	29	Good	Fair	No Impact
3005	Blue Oak	3	38	17	Fair-Good	Fair	No Impact
3149	Blue Oak	3	19	15	Good	Fair-Poor	No Impact
3171	Blue Oak	3	28	16	Good	Fair-Poor	No Impact
3172	Blue Oak	2	24	20	Good	Fair	No Impact

Rancho Del Oro Significant Tree Data

Tree #	Species	# of Trunks	DBH (inches)	DLR (feet)	Health	Structure	Impact Type
3174	Blue Oak	2	25	17	Good	Fair	Dripline Encroachment
3187	Blue Oak	2	20	13	Fair-Poor	Poor	Dripline Encroachment
3190	Live Oak	4	41	18	Good	Fair-Poor	Dripline Encroachment
3192	Live Oak	2	21	12	Fair	Poor	Direct Impact
3209	Blue Oak	2	21	11	Good	Fair-Good	Dripline Encroachment
3211	Live Oak	5	50	21	Fair	Fair	Dripline Encroachment
3217	Live Oak	3	27	15	Fair	Poor	No Impact
3218	Live Oak	3	26	18	Poor	Poor	No Impact
3221	Live Oak	2	21	20	Fair	Poor	No Impact
3223	Live Oak	5	48	15	Poor	Fair-Poor	No Impact
3231	Live Oak	4	26	16	Fair	Fair-Poor	No Impact
3233	Live Oak	3	20	15	Fair	Fair	No Impact
3247	Valley Oak	2	31	20	Good	Fair	No Impact
3251	Live Oak	3	19	12	Fair	Poor	No Impact
3258	Live Oak	4	25	15	Fair-Poor	Poor	No Impact
3262	Live Oak	7	44	17	Good	Fair-Poor	No Impact
3272	Blue Oak	3	27	19	Good	Fair-Poor	No Impact
3274	Live Oak	2	20	15	Fair-Poor	Poor	Dripline Encroachment
3340	Blue Oak	1	35	28	Fair	Good	Dripline Encroachment
4019	Live Oak	5	54	17	Fair-Poor	Fair-Poor	No Impact
4020	Live Oak	2	23	15	Fair	Poor	No Impact
4028	Live Oak	3	22	16	Fair	Fair-Poor	No Impact
4037	Blue Oak	3	20	13	Fair	Fair	No Impact
4039	Live Oak	2	24	15	Poor	Poor	No Impact
4043	Live Oak	4	43	21	Fair-Poor	Fair-Poor	No Impact
4044	Live Oak	5	37	18	Fair	Fair-Poor	No Impact
4048	Live Oak	3	18	14	Fair-Poor	Poor	No Impact
4052	Blue Oak	3	21	25	Fair-Good	Fair-Poor	No Impact
4053	Live Oak	4	50	35	Fair	Poor	No Impact
4054	Live Oak	4	46	36	Fair-Good	Poor	No Impact
4076	Live Oak	3	22	14	Fair-Poor	Poor	No Impact
4077	Live Oak	9	81	30	Fair	Fair	No Impact
4221	Valley Oak	1	26	35	Good	Good	No Impact
4260	Blue Oak	3	19	20	Fair-Good	Fair-Poor	No Impact
4261	Live Oak	9	75	36	Fair	Poor	No Impact
4264	Blue Oak	4	22	15	Fair-Good	Fair-Poor	No Impact
4265	Blue Oak	5	28	17	Good	Poor	No Impact
4342	Blue Oak	3	25	28	Fair	Fair-Poor	No Impact
4365	Blue Oak	2	23	20	Fair-Good	Fair-Poor	No Impact
4370	Live Oak	2	27	40	Fair-Poor	Poor	No Impact
4371	Live Oak	2	22	25	Fair-Poor	Poor	No Impact

Rancho Del Oro
Significant Tree Data

Tree #	Species	# of Trunks	DBH (inches)	DLR (feet)	Health	Structure	Impact Type
4373	Live Oak	6	72	35	Good	Fair-Poor	No Impact
4375	Live Oak	3	28	26	Fair-Poor	Poor	No Impact
4378	Blue Oak	3	20	16	Fair-Poor	Fair-Poor	No Impact
4379	Blue Oak	3	21	18	Fair	Poor	No Impact
4383	Live Oak	2	22	23	Fair-Poor	Poor	No Impact
4389	Live Oak	5	24	16	Fair	Poor	No Impact
4400	Blue Oak	5	18	16	Fair-Good	Poor	No Impact
4754	Valley Oak	1	29	30	Fair-Poor	Fair-Poor	Direct Impact
Off-Site Oak "A"	Live Oak	1	46	32	Fair	Fair-Poor	No Impact